

Name \_\_\_\_\_

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**developmental mathematics sullivan 1e**

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

**Determine whether the ordered pair satisfies the equation.**

1)  $5x + 2y = 26$ ; (4, 3)

A) Yes

B) No

1) \_\_\_\_\_

Objective: (7.4) Determine Whether an Ordered Pair Satisfies an Equation in Two Variables  
 final009

**Determine if the given value is a solution to the equation. Answer Yes or No.**

2)  $8x - 10 = 15$ ;  $x = 3$

A) No

B) Yes

2) \_\_\_\_\_

Objective: (8.2) Determine If a Number Is a Solution of an Equation  
 final010

**Solve the equation. Check your solution.**

3)  $-7x - 7 = 1 + 9x$

A)  $\left\{-\frac{1}{3}\right\}$

B)  $\{-2\}$

C)  $\{2\}$

D)  $\left\{-\frac{1}{2}\right\}$

3) \_\_\_\_\_

Objective: (8.3) Solve a Linear Equation with the Variable on Both Sides of the Equation  
 final016

4)  $3x - 8 = 4(x + 1)$

A)  $\{12\}$

B)  $\{-4\}$

C)  $\{-12\}$

D)  $\{4\}$

4) \_\_\_\_\_

Objective: (8.3) Solve a Linear Equation with the Variable on Both Sides of the Equation  
 final017

5)  $\frac{5x}{2} + 3 = \frac{1}{7}$

A)  $\left\{\frac{2}{5}\right\}$

B)  $\left\{-\frac{8}{7}\right\}$

C)  $\left\{-\frac{41}{35}\right\}$

D)  $\left\{\frac{33}{35}\right\}$

5) \_\_\_\_\_

Objective: (8.4) Use the Least Common Denominator to Solve a Linear Equation Containing Fractions  
 final018

6)  $\frac{13}{10}x + \frac{6}{5} = \frac{6}{5}x$

A)  $\{12\}$

B)  $\{24\}$

C)  $\{-24\}$

D)  $\{-12\}$

6) \_\_\_\_\_

Objective: (8.4) Use the Least Common Denominator to Solve a Linear Equation Containing Fractions  
 final019

7)  $\frac{r+6}{5} = \frac{r+8}{7}$

A)  $\{1\}$

B)  $\{-2\}$

C)  $\{-1\}$

D)  $\{2\}$

7) \_\_\_\_\_

Objective: (8.4) Use the Least Common Denominator to Solve a Linear Equation Containing Fractions  
 final020

8)  $-46.8 = -5.2x$

A)  $\{2\}$

B)  $\{9\}$

C)  $\{-41.6\}$

D)  $\{41.6\}$

8) \_\_\_\_\_

Objective: (8.4) Solve a Linear Equation Containing Decimals  
 final021

9)  $x + 7.1x = 234.9$

A) {2.9}

B) {30}

C) {36.1}

D) {29}

9) \_\_\_\_\_

Objective: (8.4) Solve a Linear Equation Containing Decimals  
final022

**Solve the equation. State whether the equation is a contradiction, an identity, or a conditional equation.**

10)  $-7x + 5 + 5x = -2x + 10$

A)  $\emptyset$  or { }; contradiction

B) {-5}; conditional equation

C) {5}; conditional equation

D) all real numbers; identity

10) \_\_\_\_\_

Objective: (8.4) Classify a Linear Equation as an Identity, Conditional, or a Contradiction  
final024

11)  $2(x + 3) = (2x + 6)$

A)  $\emptyset$  or { }; contradiction

B) {0}; conditional equation

C) all real numbers; identity

D) {12}; conditional equation

11) \_\_\_\_\_

Objective: (8.4) Classify a Linear Equation as an Identity, Conditional, or a Contradiction  
final025

**Solve for y.**

12)  $14x + 9y = 10$

A)  $y = \frac{10 - 14x}{9}$

B)  $y = \frac{14}{9}x - \frac{10}{9}$

C)  $y = \frac{14x - 10}{9}$

D)  $y = \frac{14x + 10}{9}$

12) \_\_\_\_\_

Objective: (8.5) Solve a Formula for a Variable  
final041

**Solve the problem.**

13) The sum of a number and three is negative eleven. Find the number.

A) 14

B) -14

C) -8

D) 0

13) \_\_\_\_\_

Objective: (8.6) Build Models for Solving Direct Translation Problems  
final042

14) Six times a number, added to 18, is 36. Find the number.

A) 18

B) 108

C) 3

D) -3

14) \_\_\_\_\_

Objective: (8.6) Build Models for Solving Direct Translation Problems  
final043

15) 2 times a number less than 7 times the same number is 35. Find the number.

A) 5

B) -7

C) 7

D) 2.4

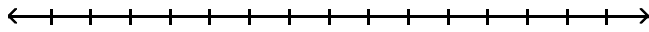
15) \_\_\_\_\_

Objective: (8.6) Build Models for Solving Direct Translation Problems  
final044

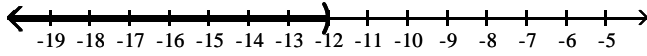
Solve the inequality and express the solution set in interval notation. Graph the solution set on the real number line.

16)  $-3x > 36$

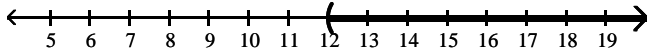
16) \_\_\_\_\_



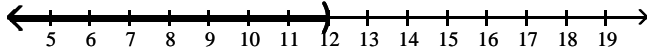
A)  $(-\infty, -12)$



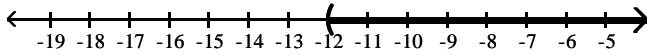
B)  $(12, \infty)$



C)  $(-\infty, 12)$



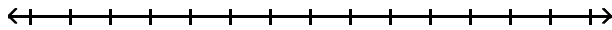
D)  $(-12, \infty)$



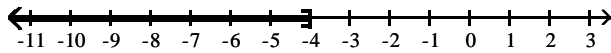
Objective: (8.9) Solve Linear Inequalities Using Properties of Inequality  
final064

17)  $6x + 3 > 5x - 1$

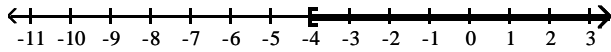
17) \_\_\_\_\_



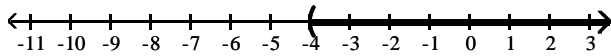
A)  $(-\infty, -4]$



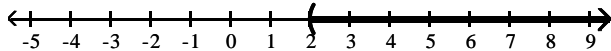
B)  $[-4, \infty)$



C)  $(-4, \infty)$



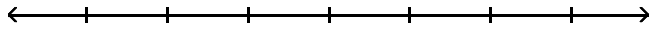
D)  $(2, \infty)$



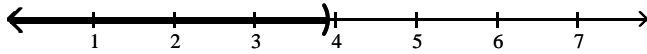
Objective: (8.9) Solve Linear Inequalities Using Properties of Inequality  
final066

18)  $1.4x - 3.8 > 0.7x - 1.07$

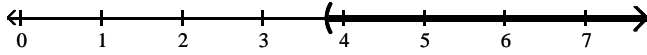
18) \_\_\_\_\_



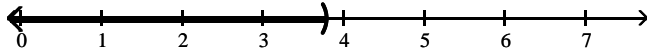
A)  $(-\infty, 3.9)$



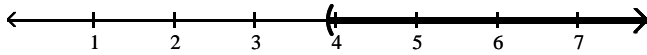
B)  $(3.8, \infty)$



C)  $(-\infty, 3.8)$



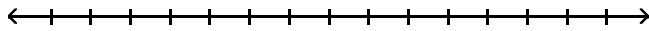
D)  $(3.9, \infty)$



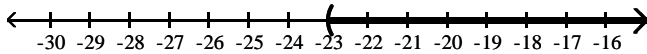
Objective: (8.9) Solve Linear Inequalities Using Properties of Inequality  
final067

19)  $6x - 2 < 7(x - 3)$

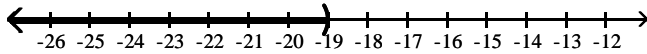
19) \_\_\_\_\_



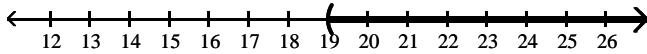
A)  $(-23, \infty)$



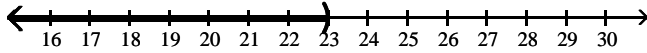
B)  $(-\infty, -19)$



C)  $(19, \infty)$



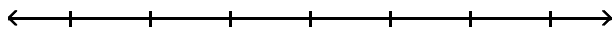
D)  $(-\infty, 23)$



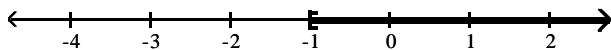
Objective: (8.9) Solve Linear Inequalities Using Properties of Inequality  
final068

20)  $35x + 35 > 5(6x + 6)$

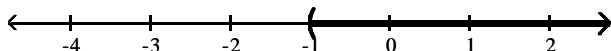
20) \_\_\_\_\_



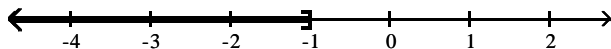
A)  $[-1, \infty)$



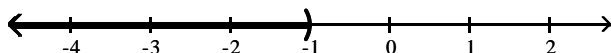
B)  $(-1, \infty)$



C)  $(-\infty, -1]$



D)  $(-\infty, -1)$



Objective: (8.9) Solve Linear Inequalities Using Properties of Inequality  
final069

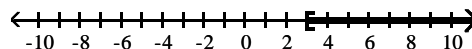
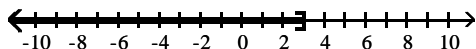
21)  $5 - 3(1 - x) \leq 11$

21) \_\_\_\_\_



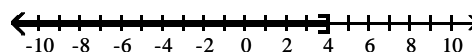
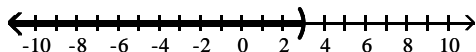
A)  $(-\infty, 3]$

B)  $[3, \infty)$



C)  $(-\infty, 3)$

D)  $(-\infty, 4]$



Objective: (8.9) Solve Linear Inequalities Using Properties of Inequality  
final070

Decide whether or not the ordered pair is a solution to the equation.

22)  $4x + 2y = 16$ ; (2, 4)

22) \_\_\_\_\_

A) Yes

B) No

Objective: (9.2) Determine If an Ordered Pair Satisfies an Equation  
final071

23)  $3x - 5y = 35$ ; (5, 4)

23) \_\_\_\_\_

A) Yes

B) No

Objective: (9.2) Determine If an Ordered Pair Satisfies an Equation  
final072

Solve the problem.

24) Find an ordered pair that satisfies the equation  $y = -x + 9$  by letting  $x = 5$ .

24) \_\_\_\_\_

A) (4, 5)

B) (5, 5)

C) (4, 4)

D) (5, 4)

Objective: (9.2) Determine If an Ordered Pair Satisfies an Equation  
final073

25) Find an ordered pair that satisfies the equation  $4x + y = -34$  by letting  $x = -9$ .

25) \_\_\_\_\_

A) (-9, -9)

B) (-9, 2)

C) (-9, -38)

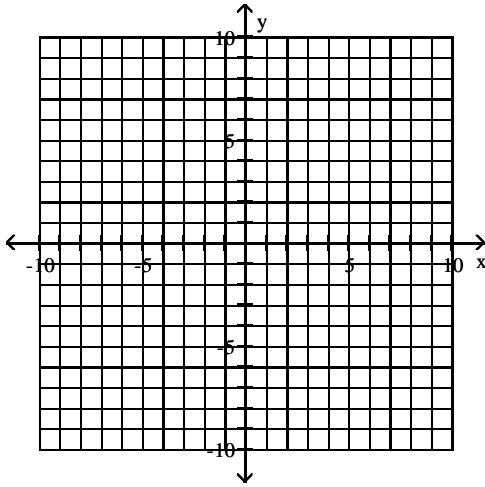
D) (2, -9)

Objective: (9.2) Determine If an Ordered Pair Satisfies an Equation  
final074

Graph the linear equation using the point-plotting method.

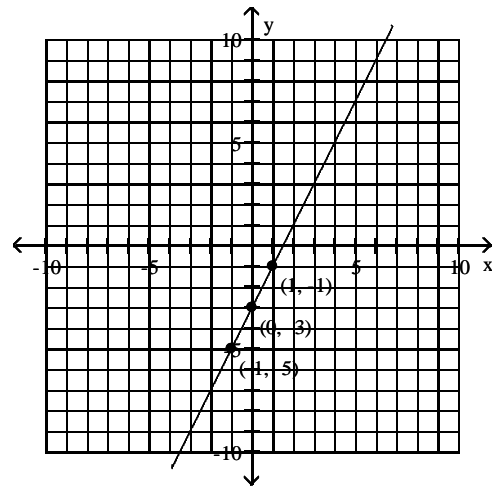
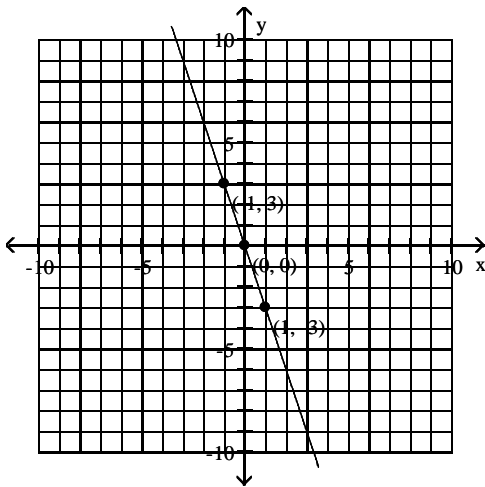
26)  $y = 2x - 3$

26) \_\_\_\_\_



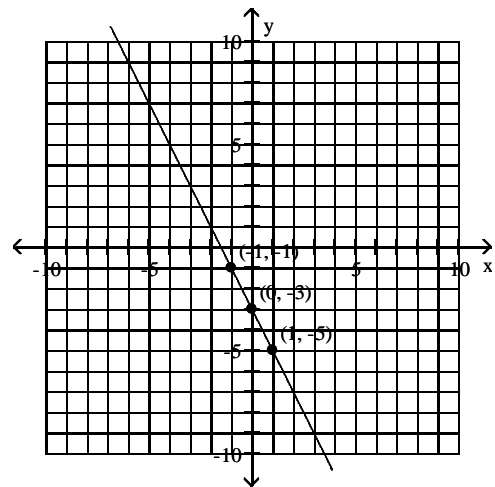
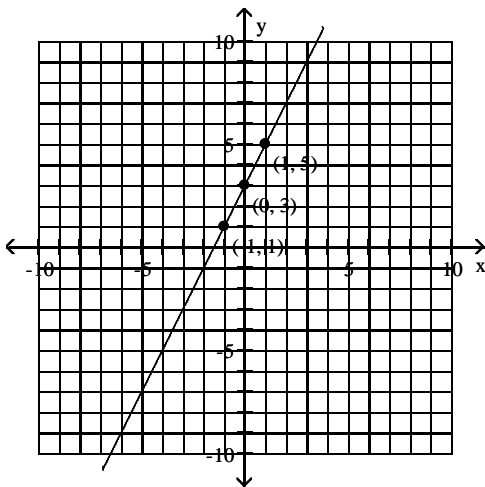
A)

B)



C)

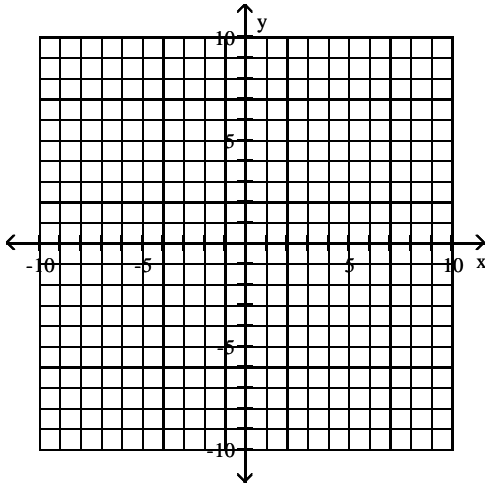
D)



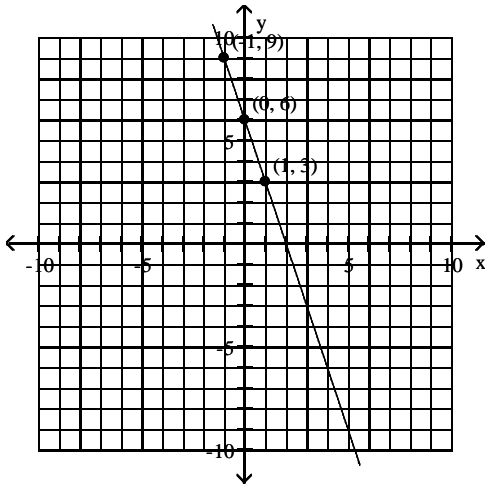
Objective: (9.3) Graph a Line by Plotting Points  
final075

27)  $y = -3x - 6$

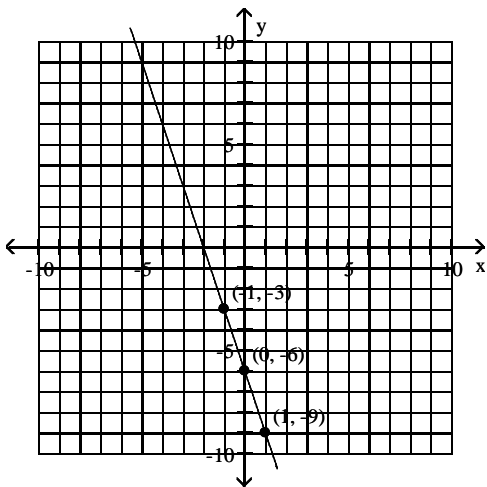
27) \_\_\_\_\_



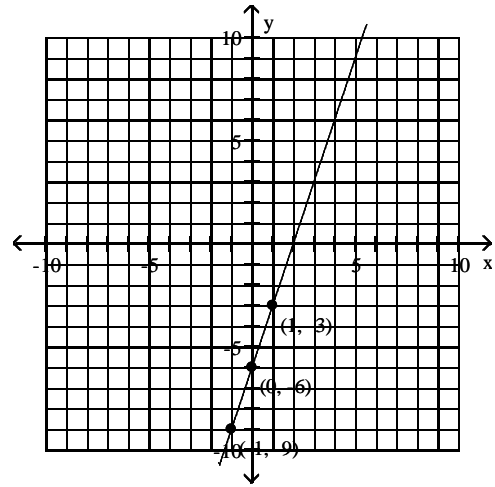
A)



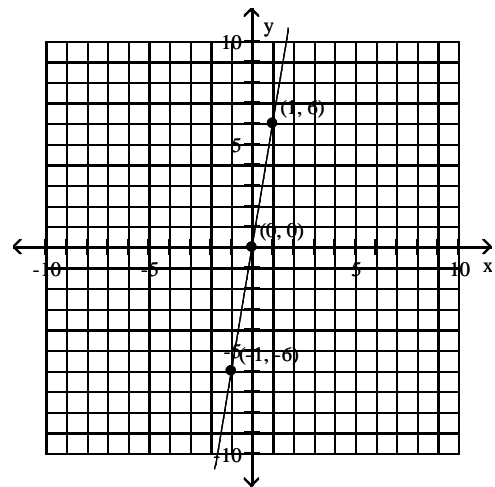
C)



B)



D)

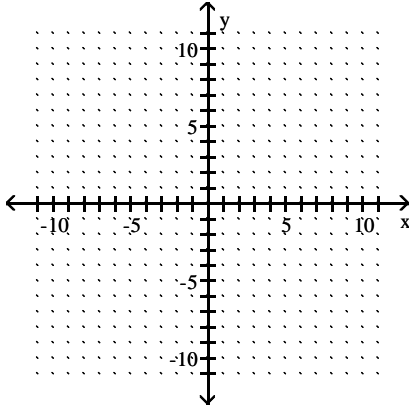


Objective: (9.3) Graph a Line by Plotting Points  
final076

Graph the linear equation by finding and plotting its intercepts.

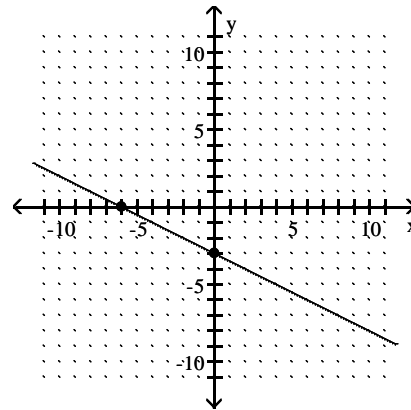
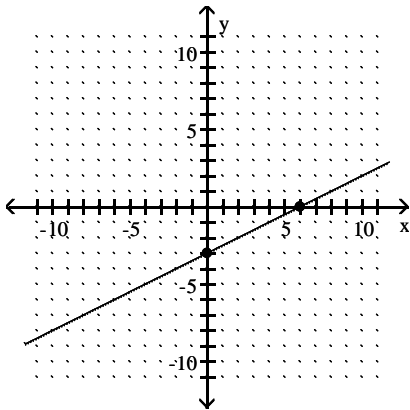
28)  $-5x - 10y = 30$

28) \_\_\_\_\_



A)  $(0, -3), (6, 0)$

B)  $(0, -3), (-6, 0)$



Objective: (9.3) Graph a Line Using Intercepts  
final079

Find the slope of the line containing the two points.

29)  $(1, -5); (-9, 6)$

29) \_\_\_\_\_

A)  $-\frac{11}{10}$

B)  $-\frac{10}{11}$

C)  $\frac{11}{10}$

D)  $\frac{10}{11}$

Objective: (9.4) Find the Slope of a Line Given Two Points  
final083

Find the slope and the y-intercept.

30)  $y = 3x + 11$

30) \_\_\_\_\_

A)  $m = 11; b = 3$

B)  $m = \frac{1}{3}; b = 11$

C)  $m = -3; b = -11$

D)  $m = 3; b = 11$

Objective: (9.5) Use the Slope-Intercept Form to Identify the Slope and y-Intercept of a Line  
final087

31)  $3x + y = 4$

31) \_\_\_\_\_

A)  $m = -\frac{1}{3}; b = \frac{4}{3}$

B)  $m = -3; b = 4$

C)  $m = \frac{3}{4}; b = \frac{1}{4}$

D)  $m = 3; b = 4$

Objective: (9.5) Use the Slope-Intercept Form to Identify the Slope and y-Intercept of a Line  
final089



32)  $7x - 3y = -11$

A)  $m = -7; b = -11$

C)  $m = 21; b = 33$

B)  $m = \frac{7}{3}; b = \frac{11}{3}$

D)  $m = \frac{3}{7}; b = -\frac{11}{7}$

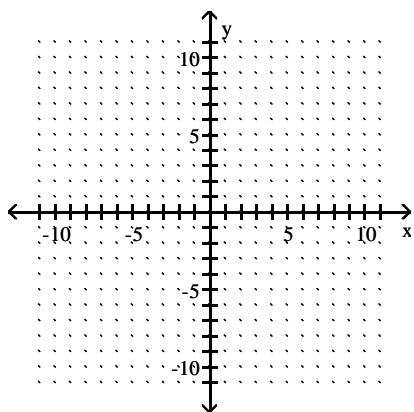
32) \_\_\_\_\_

Objective: (9.5) Use the Slope-Intercept Form to Identify the Slope and y-Intercept of a Line  
final090

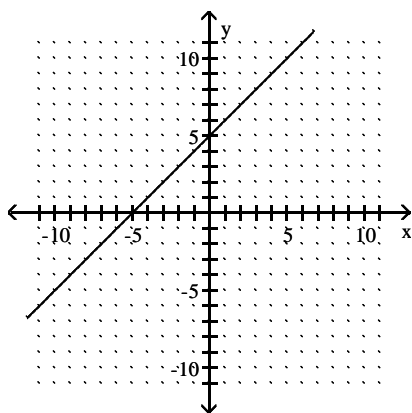
Use the slope and y-intercept to graph the equation.

33)  $y = \frac{1}{2}x + 5$

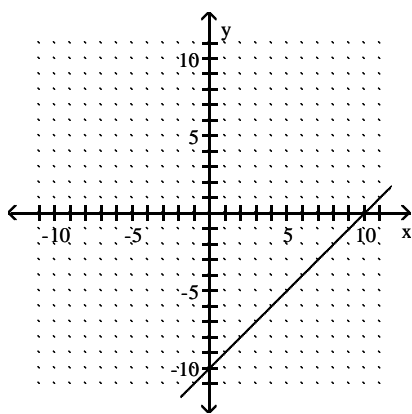
33) \_\_\_\_\_



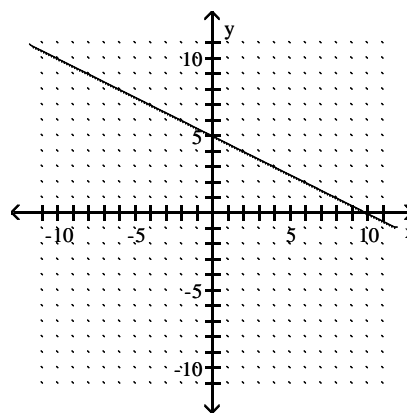
A)



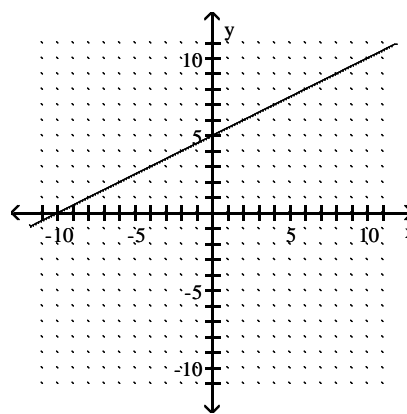
C)



B)



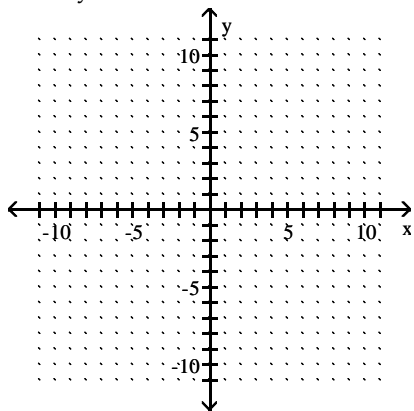
D)



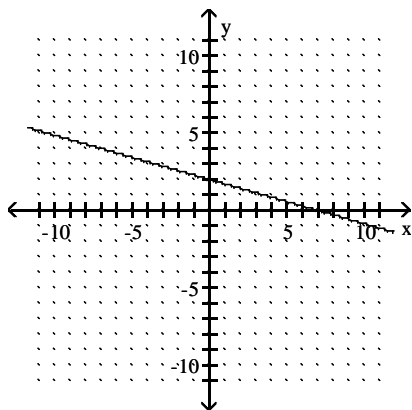
Objective: (9.5) Graph a Line Whose Equation Is in Slope-Intercept Form  
final092

34)  $7x + 2y = 14$

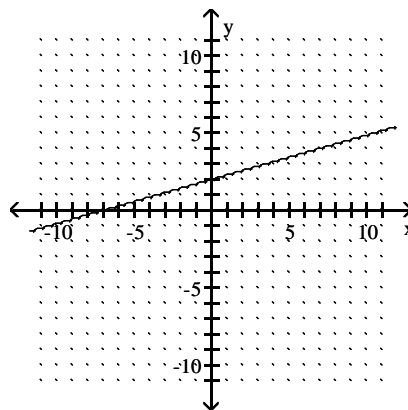
34) \_\_\_\_\_



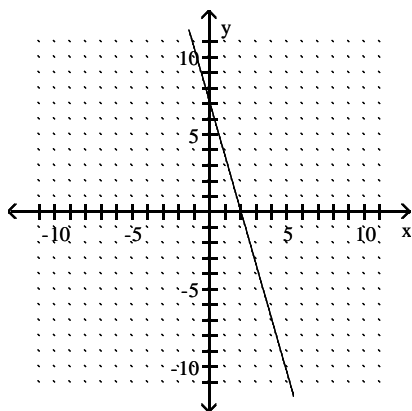
A)



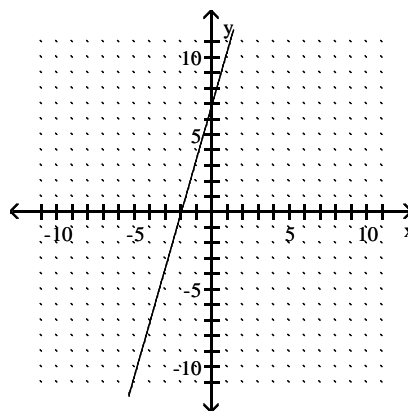
B)



C)



D)



Objective: (9.5) Graph a Line Whose Equation Is in the Form  $Ax + By = C$

final094

Find the equation of the line with the given slope and intercept.

35) Slope  $-8$ ;  $y$ -intercept is  $2$

35) \_\_\_\_\_

A)  $y = -2x + 8$

B)  $y = 8x - 2$

C)  $y = -8x + 2$

D)  $y = 2x - 8$

Objective: (9.5) Find the Equation of a Line Given Its Slope and  $y$ -Intercept

final095

Find the equation of the line described. Write the equation in slope-intercept form, if possible.

36)  $(4, 3)$ ; slope  $= -3$

36) \_\_\_\_\_

A)  $y = -3x + 15$

B)  $x = -3y + 15$

C)  $y = -3x - 15$

D)  $x = -3y - 15$

Objective: (9.6) Find the Equation of a Line Given a Point and a Slope

final096

**Determine if the lines parallel, perpendicular, or neither.**

- 37)  $L_1: y = x - 6$  37) \_\_\_\_\_  
 $L_2: y = 2 - x$   
A) neither B) perpendicular C) parallel

Objective: (9.7) Determine Whether Two Lines Are Perpendicular  
final098

- 38)  $L_1: y = 7x + 9$  38) \_\_\_\_\_  
 $L_2: y = -7x - 3$   
A) perpendicular B) parallel C) neither

Objective: (9.7) Determine Whether Two Lines Are Perpendicular  
final099

- 39)  $L_1: y = 7x + 5$  39) \_\_\_\_\_  
 $L_2: y = -\frac{1}{7}x + 3$   
A) perpendicular B) parallel C) neither

Objective: (9.7) Determine Whether Two Lines Are Perpendicular  
ffinal100

- 40)  $L_1: 6x + 2y = 8$  40) \_\_\_\_\_  
 $L_2: 18x + 6y = 27$   
A) parallel B) neither C) perpendicular

Objective: (9.7) Determine Whether Two Lines Are Perpendicular  
final101

**Solve the system of equations using substitution.**

- 41)  $\begin{cases} x + y = -6 \\ y = 2x \end{cases}$  41) \_\_\_\_\_  
A) (-2, 4) B) (-2, -4) C) (2, 4) D) (2, -4)

Objective: (10.3) Solve a System of Linear Equations Using the Substitution Method  
final102

**Solve the system of equations using elimination.**

- 42)  $\begin{cases} 3x + y = -30 \\ 5x - y = 6 \end{cases}$  42) \_\_\_\_\_  
A) (-3, -21) B) no solution  
C) infinitely many solutions D) (-21, -3)

Objective: (10.4) Solve a System of Linear Equations Using the Elimination Method  
final103

- 43)  $\begin{cases} x - 4y = 17 \\ -3x - 5y = 51 \end{cases}$  43) \_\_\_\_\_  
A) (-8, -5) B) (-7, -6) C) (7, -5) D) no solution

Objective: (10.4) Solve a System of Linear Equations Using the Elimination Method  
final106

**Solve the system of equations using elimination. State whether the system is inconsistent, or consistent and dependent.**

- 44)  $\begin{cases} x + y = 4 \\ x + y = -6 \end{cases}$  44) \_\_\_\_\_  
A) no solution; consistent and dependent  
B) infinitely many solutions; inconsistent  
C) infinitely many solutions; consistent and dependent  
D) no solution; inconsistent

Objective: (10.4) Solve a System of Linear Equations Using the Elimination Method  
final107

**Add the polynomials. Express your answer in standard form.**

45)  $(-2x^2 - 5x - 6) + (8x^2 - 5x + 4)$  45) \_\_\_\_\_  
A)  $-16x^2 - 5x - 2$  B)  $6x^4 - 10x^2 - 2$  C)  $6x^2 - 10x - 2$  D)  $6x^2 - 5x - 2$

Objective: (11.2) Simplify Polynomials by Combining Like Terms  
final108

**Subtract the polynomials. Express your answer in standard form.**

46)  $(7x^2 + 20x + 5) - (5x^2 - 4x - 12)$  46) \_\_\_\_\_  
A)  $2x^2 + 24x - 7$  B)  $2x^2 + 25x - 7$  C)  $43x^9$  D)  $2x^2 + 24x + 17$

Objective: (11.2) Simplify Polynomials by Combining Like Terms  
final109

**Evaluate the polynomial for the given value.**

47)  $-2x^2 + 8x - 3$   $x = -3$  47) \_\_\_\_\_  
A) 39 B) 3 C) -9 D) -45

Objective: (11.2) Evaluate Polynomials  
final110

**Simplify the expression.**

48)  $(-8x^9y^8z)^2$  48) \_\_\_\_\_  
A)  $-8x^{11}y^{10}z$  B)  $-64x^{18}y^{16}z^2$  C)  $16x^{18}y^{16}z^2$  D)  $64x^{18}y^{16}z^2$

Objective: (11.3) Simplify Exponential Expressions Containing Products  
final111

**Multiply the monomials.**

49)  $(7x^6y)(8x^2y^4)$  49) \_\_\_\_\_  
A)  $56x^8y^5$  B)  $56x^8y^4$  C)  $56x^{12}y^4$  D)  $15x^8y^4$

Objective: (11.3) Multiply a Monomial by a Monomial  
final113

50)  $(m^3n)^4(-4mn^6)$  50) \_\_\_\_\_  
A)  $-16m^4n^7$  B)  $4m^{13}n^{10}$  C)  $-4m^{12}n^{24}$  D)  $-4m^{13}n^{10}$

Objective: (11.3) Multiply a Monomial by a Monomial  
final114

**Use the Distributive Property to find the product.**

51)  $2y^2(3y^2 + 3y - 7)$  51) \_\_\_\_\_  
A)  $6y^4 + 6y - 14$  B)  $5y^4 + 5y - 5$   
C)  $6y^4 + 6y^3 - 14y^2$  D)  $6y^4 + 6y^2 - 14$

Objective: (11.4) Multiply a Polynomial by a Monomial  
final116

52)  $(4y - 5)(4y - 3)$  52) \_\_\_\_\_  
A)  $16y^2 + 15$  B)  $16y^2 + 8y + 15$  C)  $16y^2 - 32y + 15$  D)  $8y^2 - 8$

Objective: (11.4) Multiply Two Binomials Using the Distributive Property  
final118

**Find the product using the FOIL method.**

53)  $(y - 1)(y - 4)$  53) \_\_\_\_\_  
A)  $y^2 - 5y + 4$  B)  $2y + 4$  C)  $2y^2 - 4$  D)  $y^2 + 5y - 4$

Objective: (11.4) Multiply Two Binomials Using the FOIL Method  
final119

Find the product of the sum and difference of two terms.

54)  $(7p + 9)(7p - 9)$

A)  $49p^2 - 81$

C)  $49p^2 + 126p - 81$

B)  $p^2 - 81$

D)  $49p^2 - 126p - 81$

54) \_\_\_\_\_

Objective: (11.4) Multiply the Sum and Difference of Two Terms

final125

Find the product.

55)  $(6x - 11y)^2$

A)  $36x^2 + 121y^2$

C)  $36x^2 - 132xy + 121y^2$

B)  $6x^2 + 121y^2$

D)  $6x^2 - 132xy + 121y^2$

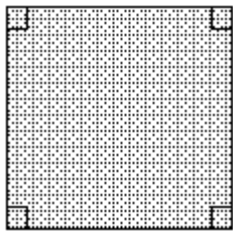
55) \_\_\_\_\_

Objective: (11.4) Square a Binomial

final130

Find an algebraic expression that represents the area of the shaded region.

56)



$7x - 10$

A)  $49x^2 - 140x + 100$

C)  $49x^2 - 140x - 100$

B)  $49x^2 + 140x + 100$

D)  $49x^2 + 140x - 100$

56) \_\_\_\_\_

Objective: (11.4) Square a Binomial

final131

Find the product.

57)  $(2y + 11)(5y^2 - 2y - 9)$

A)  $10y^3 + 51y^2 - 40y - 99$

C)  $65y^2 - 26y - 117$

B)  $10y^3 + 59y^2 + 40y + 99$

D)  $10y^3 - 4y^2 - 18y + 11$

57) \_\_\_\_\_

Objective: (11.4) Multiply a Polynomial by a Polynomial

final134

Use the Quotient Rule to simplify. All variables are nonzero.

58)  $\frac{56m^{20}n^{14}}{7m^{19}n^{10}}$

A)  $8n^4$

B)  $8mn^4$

C)  $56mn^4$

D)  $8m^{39}n^{24}$

58) \_\_\_\_\_

Objective: (11.5) Simplify Exponential Expressions Using the Quotient Rule

final135

Use the Quotient to a Power Rule to simplify. All variables are nonzero.

59)  $\left(\frac{6t^3}{3s^4}\right)^2$

A)  $\frac{4t^6}{s^4}$

B)  $\frac{4t^6}{s^8}$

C)  $\frac{4t^5}{s^6}$

D)  $\frac{2t^6}{s^8}$

59) \_\_\_\_\_

Objective: (11.5) Simplify Exponential Expressions Using the Quotient to a Power Rule

final138

Use the Zero Exponent Rule to simplify. All variables are nonzero.

60)  $9^0$  60) \_\_\_\_\_  
A) 1                                      B) 9                                      C) 0                                      D) -1

Objective: (11.5) Simplify Exponential Expressions Using Zero as an Exponent  
final139

Use the Negative Exponent Rules to simplify. Write the answer with positive exponents. All variables are nonzero.

61)  $3^{-4}$  61) \_\_\_\_\_  
A) -81                                      B)  $\frac{1}{81}$                                       C)  $\frac{1}{12}$                                       D) 81

Objective: (11.5) Simplify Exponential Expressions Using Negative Exponents  
final142

Divide and simplify.

62)  $\frac{24x^2 + 20x - 11}{4x}$  62) \_\_\_\_\_  
A)  $6x - 6$                                       B)  $6x^2 + 5x - \frac{11}{4}$                                       C)  $24x + 20 - \frac{11}{4x}$                                       D)  $6x + 5 - \frac{11}{4x}$

Objective: (11.6) Divide a Polynomial by a Monomial  
final144

Find the quotient using long division.

63)  $\frac{3m^2 + 17m - 56}{m + 8}$  63) \_\_\_\_\_  
A)  $3m - 7 + \frac{6}{m - 7}$                                       B)  $m - 7$                                       C)  $3m - 7$                                       D)  $3m + 7$

Objective: (11.6) Divide a Polynomial by a Binomial  
final146

Factor the trinomial completely. If the trinomial cannot be factored, say it is prime.

64)  $x^2 + x - 20$  64) \_\_\_\_\_  
A)  $(x - 5)(x + 4)$                                       B)  $(x + 1)(x - 20)$                                       C) prime                                      D)  $(x - 4)(x + 5)$

Objective: (12.3) Factor Trinomials of the Form  $x^2 + bx + c$   
final151

Factor completely. If the polynomial is prime, state so.

65)  $81x^2 - 16y^2$  65) \_\_\_\_\_  
A)  $(9x + 4y)(9x - 4y)$                                       B) prime  
C)  $(9x + 4y)^2$                                       D)  $(9x - 4y)^2$

Objective: (12.5) Factor Difference of Two Squares  
final159

Solve the equation by factoring.

66)  $5x(6x + 30) = 0$  66) \_\_\_\_\_  
A)  $\{0, -5\}$                                       B)  $\{0, -5, 5\}$                                       C)  $\left\{0, -\frac{1}{5}\right\}$                                       D)  $\{0, 5\}$

Objective: (12.7) Solve Quadratic Equations Using the Zero-Product Property  
final161

67)  $(y - 7)(9y + 26) = 0$  67) \_\_\_\_\_  
A)  $\left\{-\frac{9}{26}, 7\right\}$                                       B)  $\left\{-7, \frac{26}{9}\right\}$                                       C)  $\left\{-7, \frac{9}{26}\right\}$                                       D)  $\left\{-\frac{26}{9}, 7\right\}$

Objective: (12.7) Solve Quadratic Equations Using the Zero-Product Property  
final162

68)  $x^2 + 2x - 48 = 0$                       A)  $\{-8, 6\}$                       B)  $\{8, -6\}$                       C)  $\{8, 6\}$                       D)  $\{-8, 1\}$                       68) \_\_\_\_\_

Objective: (12.7) Solve Quadratic Equations Using the Zero-Product Property  
final164

69)  $x^2 - 17x + 72 = 0$                       A)  $\{-9, -8\}$                       B)  $\{9, 8\}$                       C)  $\{72, 0\}$                       D)  $\{-9, 8\}$                       69) \_\_\_\_\_

Objective: (12.7) Solve Quadratic Equations Using the Zero-Product Property  
final165

**Find the function value.**

70) Find  $f(14)$  when  $f(x) = 2x + 12$ .                      A) -16                      B) 40                      C) 29.2                      D) 16                      70) \_\_\_\_\_

Objective: (14.4) Find the Value of a Function  
final169

71) Find  $f(5)$  when  $f(x) = -7x + 6$ .                      A) -1                      B) 41                      C) -29                      D) -35                      71) \_\_\_\_\_

Objective: (14.4) Find the Value of a Function  
final170

72) Find  $f(3)$  when  $f(x) = x^2 + 3x - 4$ .                      A) -4                      B) 4                      C) 22                      D) 14                      72) \_\_\_\_\_

Objective: (14.4) Find the Value of a Function  
final172

73) Find  $f(-9)$  when  $f(x) = |x| - 6$ .                      A) 3                      B) -3                      C) 15                      D) -15                      73) \_\_\_\_\_

Objective: (14.4) Find the Value of a Function  
final173

74)  $f(x) = \frac{x + 5}{14x - 10}$ ;  $f(-10)$                       A)  $\frac{1}{26}$                       B)  $-\frac{1}{12}$                       C)  $\frac{1}{30}$                       D)  $-\frac{1}{30}$                       74) \_\_\_\_\_

Objective: (14.4) Find the Value of a Function  
final174

## Answer Key

Testname: AATFM0310FALL2014SULDEPTFIN

- 1) A
- 2) A
- 3) D
- 4) C
- 5) B
- 6) D
- 7) C
- 8) B
- 9) D
- 10) A
- 11) C
- 12) A
- 13) B
- 14) C
- 15) C
- 16) A
- 17) C
- 18) D
- 19) C
- 20) B
- 21) A
- 22) A
- 23) B
- 24) D
- 25) B
- 26) B
- 27) C
- 28) B
- 29) A
- 30) D
- 31) B
- 32) B
- 33) D
- 34) C
- 35) C
- 36) A
- 37) B
- 38) C
- 39) A
- 40) A
- 41) B
- 42) A
- 43) B
- 44) D
- 45) C
- 46) D
- 47) D
- 48) D
- 49) A
- 50) D



## Answer Key

Testname: AATFM0310FALL2014SULDEPTFIN

- 51) C
- 52) C
- 53) A
- 54) A
- 55) C
- 56) A
- 57) A
- 58) B
- 59) B
- 60) A
- 61) B
- 62) D
- 63) C
- 64) D
- 65) A
- 66) A
- 67) D
- 68) A
- 69) B
- 70) B
- 71) C
- 72) D
- 73) A
- 74) C