

01-25-19

1. $-40 + 39 =$

$-1 =$

2. $-5 - (-7) =$

$-5 + 7 =$

$2 =$

3. $-23 - 24 =$

$-47 =$

4. $-2(-1) =$

$2 =$

5. $-6(9) =$

$-54 =$

$$\textcircled{6} \quad 6(-6) =$$
$$\underline{-36 =}$$

$$\textcircled{7} \quad 0(-14) =$$
$$\underline{0 =}$$

$$\textcircled{8} \quad 6(-4)(-3) =$$
$$6(12) =$$
$$\underline{72 =}$$

$$\textcircled{9} \quad -10^2 =$$
$$-(10)(10) =$$

$$-(100) =$$

$$\underline{-100 =}$$

$$\textcircled{11} \quad (-11)^3 =$$
$$(-11)(-11)(-11) =$$
$$(121)(-11) =$$
$$\underline{-1331 =}$$

(12)

$$(-6)^2 =$$

$$(-6)(-6) =$$

$$(36) =$$

$$36 =$$

(13)

$$\frac{-84}{-12} =$$

$$7 =$$

(14)

$$\frac{0}{-20} =$$

$$0 =$$

(15)

$$\frac{8}{0} =$$

$$\text{undefined}$$

(16)

$$-3(-2)(-5) =$$

$$-3(10) =$$

$$-30 =$$

17. $(-12)^2 =$
 $(-12)(-12) =$
 $(144) =$
 $144 =$

18. $6 + 7(-5) =$
 $6 - 35 =$
 $-29 =$

PEMDAS

19. $8(-3) + 5 =$
 $-24 + 5 =$
 $-19 =$

PEMDAS

20. $(-9) + 9 \div 3 =$
 $-9 + 9 \div 3 =$
 $-9 + 3 =$
 $-6 =$

PEMDAS

$$\begin{aligned} 21. \quad & 2 + 9 \cdot 4 - 12 = \\ & 2 + 36 - 12 = \\ & 38 - 12 = \end{aligned}$$

$$26 =$$

PEMDAS

$$\begin{aligned} 22. \quad & (-17 - 11) \div 14 - 27 = \\ & (-28) \div 14 - 27 = \\ & -28 \div 14 - 27 = \end{aligned}$$

$$-2 - 27 =$$

$$-29 =$$

PEMDAS

23. eval

$$4x - 3y - 12z, \quad x = -3, \quad y = 2, \quad z = -1$$

$$4(-3) - 3(2) - 12(-1) =$$

$$-12 - 6 + 12 =$$

$$-18 + 12 =$$

$$-6 =$$

PEMDAS

(24) eval $x^2 - y$, $x = -3$, $y = 2$

$$(-3)^2 - (2) =$$

PEMDAS

$$(-3)(-3) - (2) =$$

$$(9) - (2) =$$

$$9 - 2 =$$

$$7 =$$

(25) $x + 2 = 20$

$$x + \cancel{2} / -\cancel{2} = 20 - 2$$

$$x = 18$$

(26) $d - 6 = -15$

$$d - \cancel{6} + \cancel{6} = -15 + 6$$

$$d = -9$$

$$(27) \quad 10 = y - 7$$

$$10 + 7 = y - \cancel{7} + \cancel{7}$$

$$17 = y$$

$$(28) \quad -3 + 10 - 16 = x$$

$$7 - 16 = x$$

$$-9 = x$$

$$(29) \quad 8x = 32$$

$$\frac{8x}{8} = \frac{32}{8}$$

$$x = 4$$

$$(30) \quad -4z = 24$$

$$\frac{-4z}{-4} = \frac{24}{-4}$$

$$z = -6$$

31. $11z = -99$

$$\frac{11z}{11} = \frac{-99}{11}$$

$z = -9$

32. $-4x = 0$

$$\frac{-4x}{-4} = \frac{0}{-4}$$

$x = 0$

33. $-13x = -13$

$$\frac{-13x}{-13} = \frac{-13}{-13}$$

$x = 1$

34. $8z = -32$

$$\frac{8z}{8} = \frac{-32}{8}$$

$z = -4$

35

$$d - 10 = -1$$

$$d - 10 + 10 = -1 + 10$$

$$d = 9$$

36

$$-21 = x + 8$$

$$-21 - 8 = x + 8 - 8$$

$$-29 = x$$

37

$$x - 6 = -5 + 8$$

$$x - 6 = 3$$

$$x - 6 + 6 = 3 + 6$$

$$x = 9$$

38

$$-18 + 24 = m - 8$$

$$6 = m - 8$$

$$6 + 8 = m - 8 + 8$$

$$14 = m$$

39

$$2w - 4w = 4$$

$$-2w = 4$$

$$\frac{-2w}{-2} = \frac{4}{-2}$$

$$w = -2$$

40

$$63 = t + 8t$$

$$63 = 1t + 8t$$

$$63 = 9t$$

$$\frac{63}{9} = \frac{9t}{9}$$

$$7 = t$$

41

$$2z = 18 - 22$$

$$2z = -4$$

$$\frac{2z}{2} = \frac{-4}{2}$$

$$z = -2$$

$$(42) \quad 5(3x - 2) = 16x$$

PEMDAS

$$15x - 10 = 16x$$

$$15x - \cancel{10} + \cancel{10} = 16x + 10$$

$$15x = 16x + 10$$

$$15x - 16x = \cancel{16x} + 10 - \cancel{16x}$$

$$-1x = 10$$

$$\frac{-1x}{-1} = \frac{10}{-1}$$

$$x = -10$$

$$(43) \quad 13y = 12(y + 10)$$

PEMDAS

$$13y = 12y + 120$$

$$13y - 12y = \cancel{12y} + 120 - \cancel{12y}$$

$$1y = 120$$

$$y = 120$$

44

$$31y = 5(6y - 7)$$

$$31y = 30y - 35$$

$$31y - 30y = \cancel{30y} - 35 - \cancel{30y}$$

$$1y = -35$$

$$y = -35$$

Plum DAS

45

$$-2(-4 - 3z) = 7z$$

$$8 + 6z = 7z$$

$$\cancel{8 + 6z} - \cancel{6z} = \cancel{7z} - 6z$$

$$8 = 1z$$

$$8 = z$$

Plum DAS

46

$$3x - 15 = 0$$

$$\cancel{3x - 15} + \cancel{15} = 0 + 15$$

$$3x = 15$$

$$\frac{3x}{3} = \frac{15}{3}$$

$$x = 5$$

47

$$5n + 10 = 15$$

$$5n + \cancel{10} - 10 = 15 - 10$$

$$5n = 5$$

$$\frac{\cancel{5n}}{\cancel{5}} = \frac{5}{5}$$

$$n = 1$$

48

$$-4 = 3x - 1$$

$$-4 + 1 = 3x - \cancel{1} + \cancel{1}$$

$$-3 = 3x$$

$$\frac{-3}{3} = \frac{\cancel{3x}}{\cancel{3}}$$

$$-1 = x$$

49

$$y - 12 = 5y$$

$$y - \cancel{12} + \cancel{12} = 5y + 12$$

$$y = 5y + 12$$

$$1y - 5y = 5y + 12 - 5y$$

$$-4y = 12$$

$$\frac{-4y}{-4} = \frac{12}{-4}$$

$$y = -3$$

$$(50) \quad 10y = 3(3y + 19)$$

$$10y = 9y + 57$$

$$10y - 9y = 9y + 57 - 9y$$

$$1y = 57$$

$$y = 57$$

Rem DAS

$$(51) \quad 6x = 3(7x + 10)$$

$$6x = 21x + 30$$

$$6x - 21x = 21x + 30 - 21x$$

$$-15x = 30$$

$$\frac{-15x}{-15} = \frac{30}{-15}$$

$$x = -2$$

Rem DAS

$$(52) \quad 5(y-2) = 2y - 10$$

Rem DAS

$$5y - 10 = 2y - 10$$

$$5y - \cancel{10} + \cancel{10} = 2y - \cancel{10} + \cancel{10}$$

$$5y = 2y$$

$$5y - 2y = 2y - 2y$$

$$3y = 0$$

$$\frac{3y}{3} = \frac{0}{3}$$

$$y = 0$$

$$(53) \quad 3(7x-3) = 22x$$

Rem DAS

$$21x - 9 = 22x$$

$$21x - \cancel{9} + \cancel{9} = 22x + 9$$

$$21x = 22x + 9$$

$$21x - 22x = 22x + 9 - 22x$$

$$-1x = 9$$

$$\frac{-1x}{-1} = \frac{9}{-1}$$

$$x = -9$$

54

$$\frac{5}{6} - \frac{7}{8} =$$

$$LCD = 24$$

$$\frac{5}{6} \left(\frac{4}{4} \right) - \frac{7}{8} \left(\frac{3}{3} \right) =$$

$$\frac{20}{24} - \frac{21}{24} =$$

$$\frac{20 - 21}{24} =$$

$$\frac{-1}{24} =$$

55

$$\frac{1}{6}x = 5$$

$$\cancel{\frac{6}{1}} \left(\cancel{\frac{1}{6}}x \right) = \frac{6}{1} \left(\frac{5}{1} \right)$$

$$x = \frac{30}{1}$$

$$x = 30$$

56

$$\frac{k}{6} + 3 = \frac{7}{6}$$

$LCD = 6$

$$\frac{k}{6} + \frac{3}{1} = \frac{7}{6}$$

$$\frac{k}{6}(6) + \frac{3}{1}(6) = \frac{7}{6}(6)$$

$$k(1) + 3(6) = 7(1)$$

$$|k + 18 = 7$$

$$k + 18 = 7$$

$$k + 18 - 18 = 7 - 18$$

$$k = -11$$

57

$$\frac{1}{5} - \frac{3}{2} = \frac{9}{10}$$

$LCD = 10$

$$\frac{1}{5}(10) - \frac{3}{2}(10) = \frac{9}{10}(10)$$

$$1(2) - 3(5) = 9(1)$$

$$2 - 15 = 9$$

$$-13 = 9$$

$$(58.) \quad 3.5x - 69 = 2.3x + 9$$

$$3.5x - \cancel{69} + \cancel{69} = 2.3x + 9 + 69$$

$$3.5x = 2.3x + 78$$

$$3.5x - 2.3x = \cancel{2.3x} + 78 - \cancel{2.3x}$$

$$1.2x = 78$$

$$\frac{\cancel{1.2x}}{\cancel{1.2}} = \frac{78}{1.2}$$

$$x = 65$$

(59)

$$A = P - PD$$

$$A = \$589 - 589(.10)$$

$$A = \$589 - \$58.90$$

$$= \$530.10$$

$$P = \$589$$

$$D = 10\% = .10$$

60) A company borrows \$96,000 for 10 years at a simple interest rate of 9.5%. Find the interest paid on the loan and the total amount paid.

$$A = P + PRT$$

$$P = \$96,000$$

$$r = 9.5\% = .095$$

$$T = 10$$

$$A = \$96,000 + \$96,000(.095)(10)$$

$$A = \$96,000 + \$91,200$$

$$A = \$187,200$$

$$= \$187,200$$

$$(61) \quad -6(x+8)-4=-52$$

PEMDAS

$$-6x-48-4=-52$$

$$-6x-52=-52$$

$$-6x-52+52=-52+52$$

$$-6x=0$$

$$\frac{-6x}{-6} = \frac{0}{-6}$$

$$x=0$$

$$(62) \quad 2(4x-2)=8x-4$$

$$8x-4=8x-4$$

$$8x-4+4=8x-4+4$$

$$8x=8x$$

$$8x-8x=8x-8x$$

$$0=0$$

The solution is all real numbers

63. $\frac{x}{4} + 5 = \frac{x}{4}$

$C \cap D = 4$

$$\frac{x}{4}(4) + 5(4) = \frac{x}{4}(4)$$

$$x(1) + 5(4) = x(1)$$

$$1x + 20 = 1x$$

$$1x + 20 - 20 = 1x - 20$$

$$1x = 1x - 20$$

$$1x - 1x = 1x - 20 - 1x$$

$$0 \neq -20$$

There is no solution

64.

$$7x + y = 9$$

Solve for y

$$7x + y - 7x = 9 - 7x$$

$$y = 9 - 7x$$

OR

$$y = -7x + 9$$

65. $A = B + BCD$ solve for C

$$A - B = \cancel{B} + BCD - \cancel{B}$$

$$A - B = BCD$$

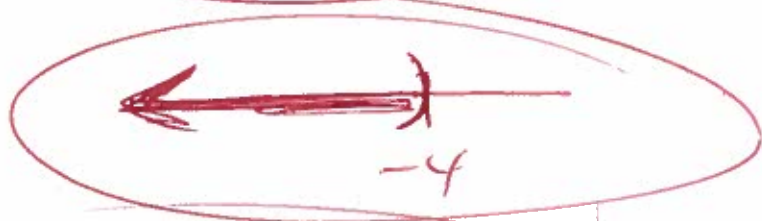
$$\frac{A - B}{BD} = \frac{\cancel{B}CD}{\cancel{B}D}$$

$$\frac{A - B}{BD} = C$$

66. $2x < -8$

$$\frac{2x}{2} < \frac{-8}{2}$$

$$x < -4$$



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

67

$$-7x \leq 28$$

$$\frac{-7x}{-7} \geq \frac{28}{-7}$$

divide by -7 and
turn alligator around

$$x \geq -4$$



$$[-4, \infty)$$

68

$$-6x + 4 \geq 4(3 - x)$$

PEMDAS

$$-6x + 4 \geq 12 - 4x$$

$$-6x + 4 - 4 \geq 12 - 4x - 4$$

$$-6x \geq -4x + 8$$

$$-6x + 4x \geq -4x + 8 + 4x$$

$$-2x \geq 8$$

$$\frac{-2x}{-2} \leq \frac{8}{-2}$$

divide by -2 and
turn alligator around

$$x \leq -4$$



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

69 $y = -2x + 4$

$$y = -2(0) + 4$$

$$y = 0 + 4$$

$y = 4$

$$y = -2(1) + 4$$

$$y = -2 + 4$$

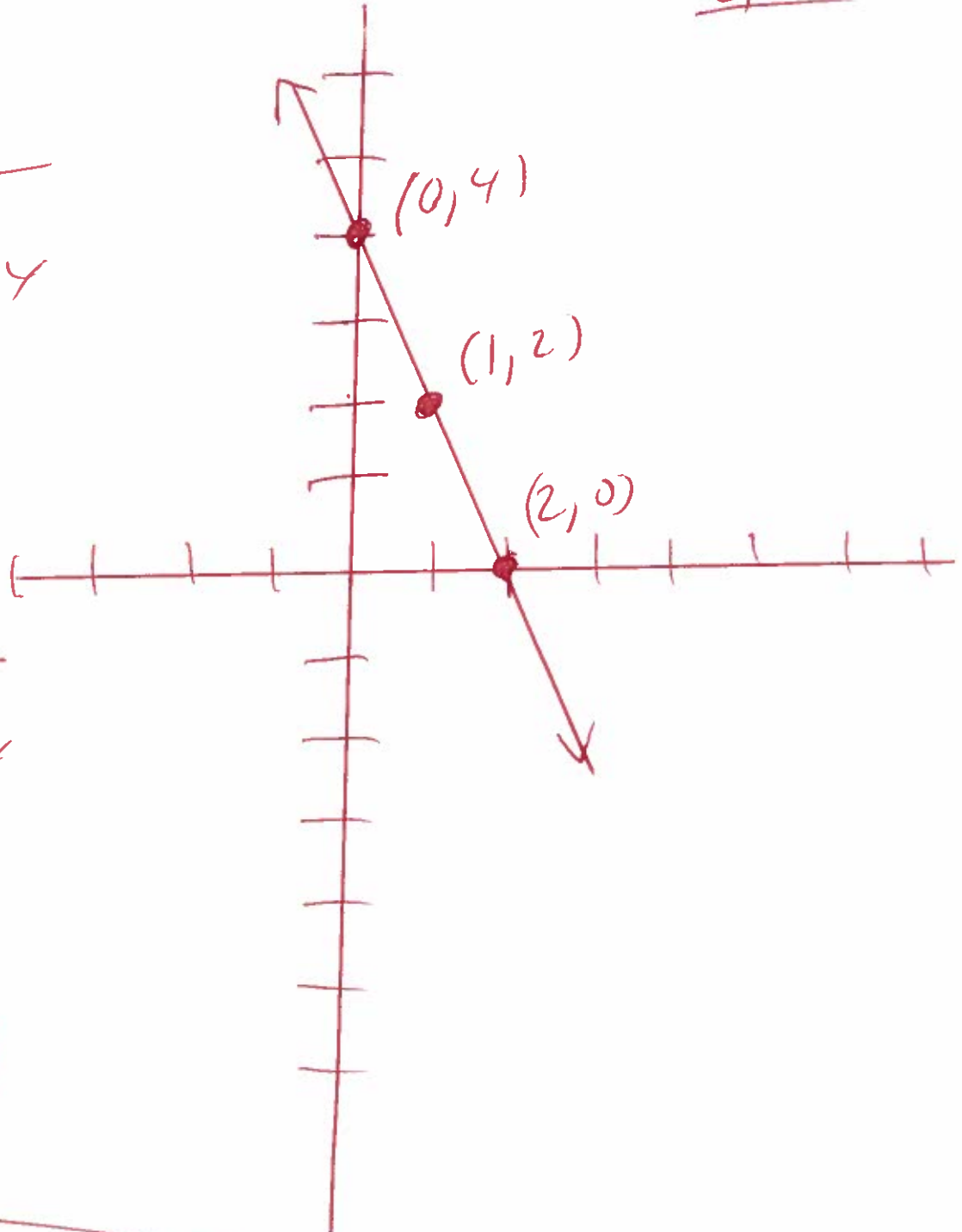
$y = 2$

$$y = -2(2) + 4$$

$$y = -4 + 4$$

$y = 0$

x	y
0	4
1	2
2	0



70

$$x + 3y = -3$$

$$\cancel{x} + 3y - \cancel{x} = -3 - \cancel{x}$$

$$3y = -3 - x$$

$$\frac{3y}{3} = \frac{-3}{3} - \frac{x}{3}$$

$$y = -1 - \frac{1}{3}x$$

$$y = -\frac{1}{3}x - 1$$

$$y = -\frac{1}{3}(0) - 1$$

$$y = 0 - 1$$

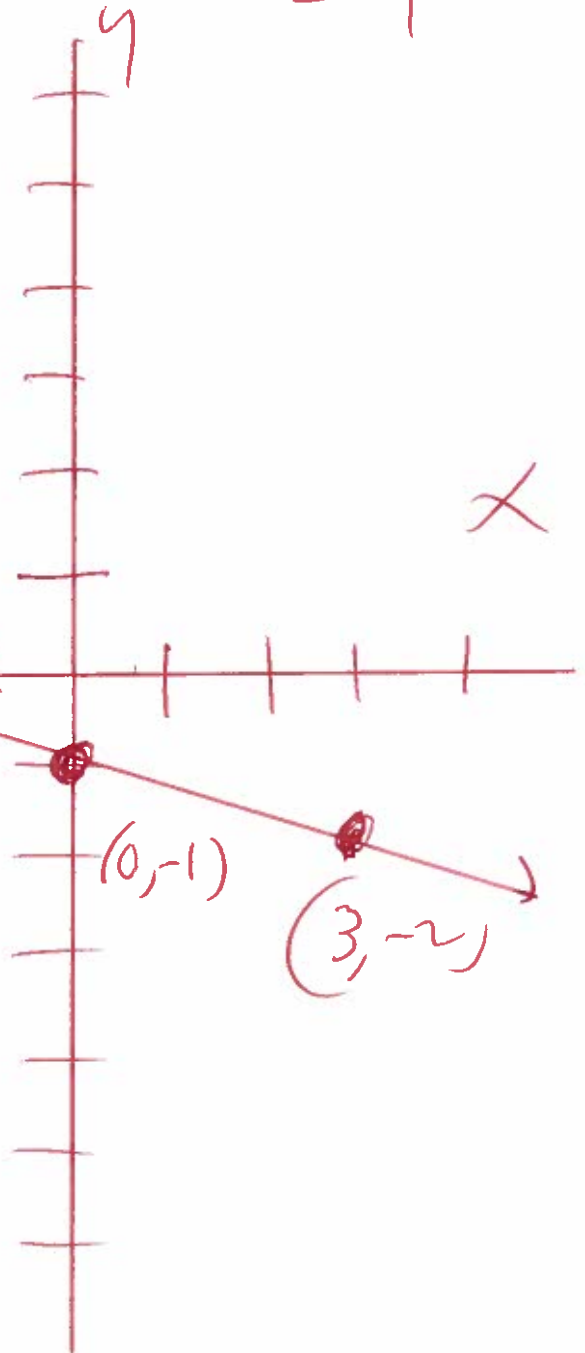
$$y = -1$$

$$y = -\frac{1}{3}(3) - 1$$

$$y = -1 - 1$$

$$y = -2$$

x	y
0	-1
3	-2



71. $y = \frac{1}{2}x + 1$

x	y
0	1
2	2

$$y = \frac{1}{2}(0) + 1$$

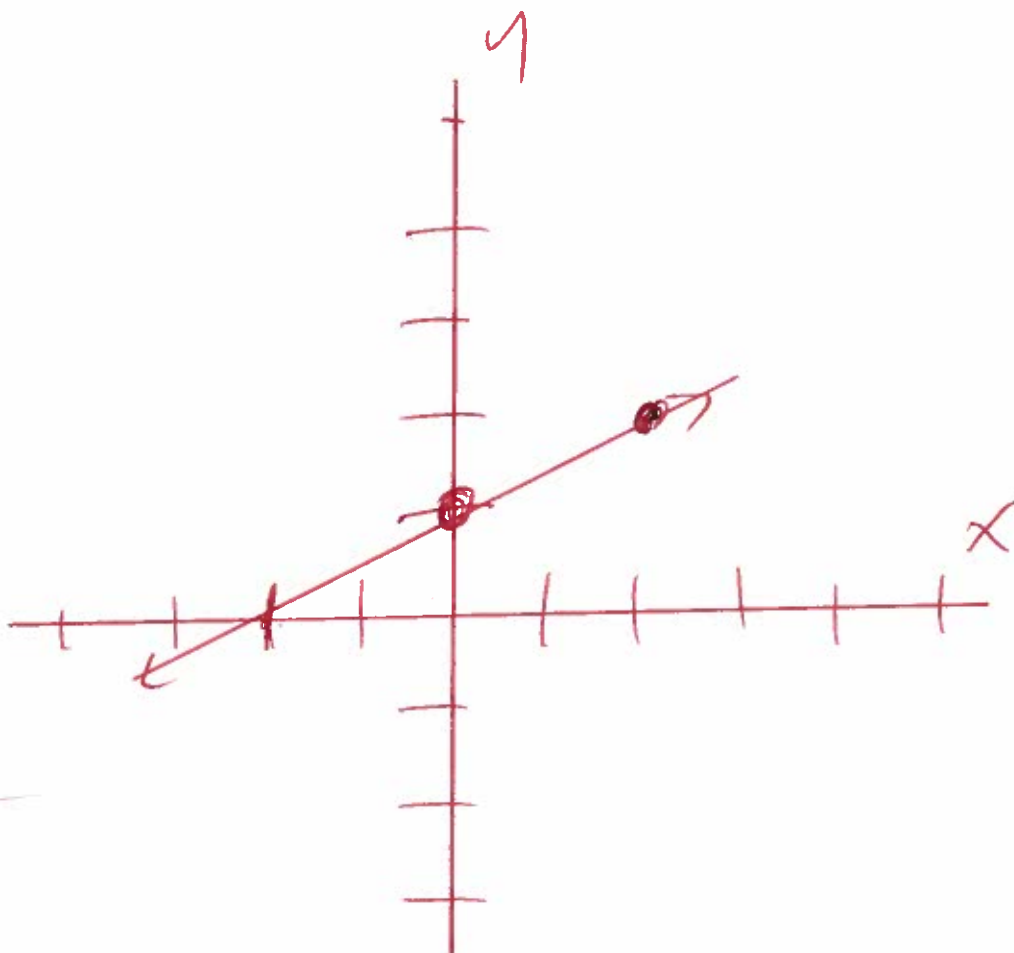
$$y = 0 + 1$$

$y = 1$

$$y = \frac{1}{2}(2) + 1$$

$$y = 1 + 1$$

$y = 2$



(72)

$$2x - 4y = 4$$

find x -intercept let $y=0$

$$2x - 4(0) = 4$$

$$2x - 0 = 4$$

$$2x = 4$$

$$\frac{2x}{2} = \frac{4}{2}$$

$$x = 2$$

$$(2, 0)$$

x -intercept

$$2x - 4y = 4$$

find y -intercept let $x=0$

$$2(0) - 4y = 4$$

$$0 - 4y = 4$$

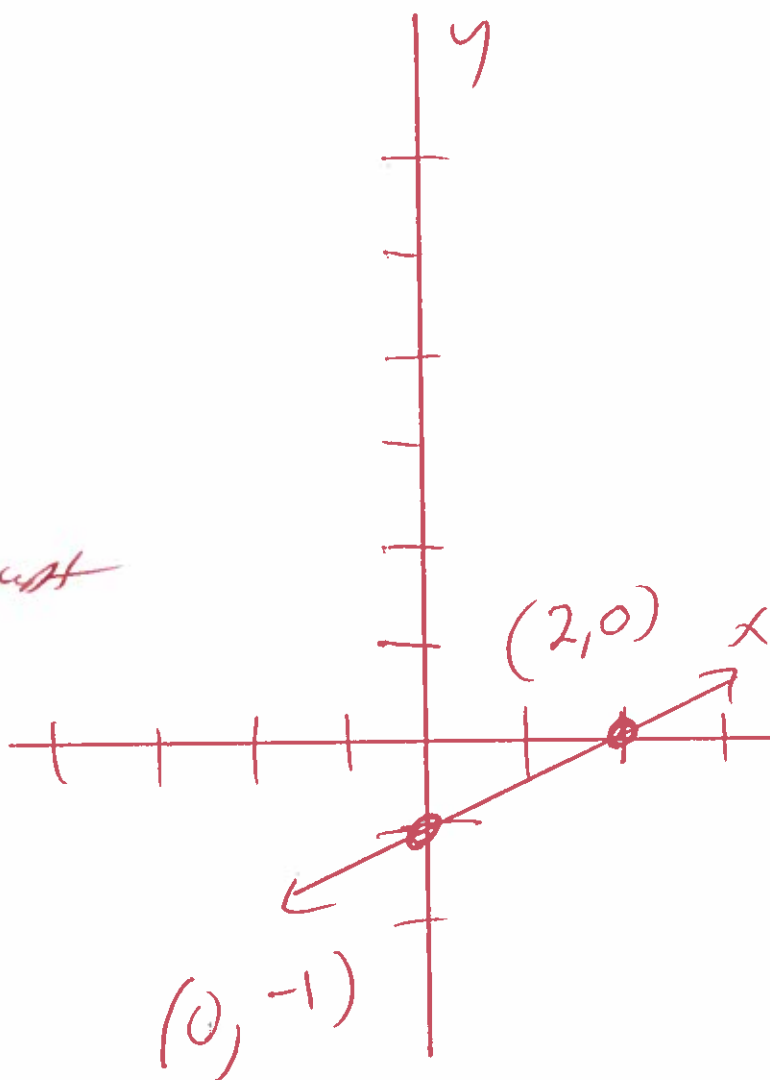
$$-4y = 4$$

$$\frac{-4y}{-4} = \frac{4}{-4}$$

$$y = -1$$

$$(0, -1)$$

y -intercept



73) find the slope of the line
(-3, 8) and (-8, -4)
 $x_1 \quad y_1 \quad x_2 \quad y_2$

$$m = \frac{y_1 - y_2}{x_1 - x_2}$$

$$m = \frac{(8) - (-4)}{(-3) - (-8)}$$

$$m = \frac{8 + 4}{-3 + 8}$$

$$m = \frac{12}{5}$$

74) find the slope of the line formula

$$y = 2x + 4$$

$$y = mx + b$$

$$\text{Slope} = m$$

$$y\text{-intercept} = b$$

$$(0, b)$$

$$\text{Slope} = m = 2$$

$$y\text{-intercept} = 4$$

OR

$$(0, 4)$$

75. find the Slope of the line

$$3x + y = 7$$

$$3x + y - 3x = 7 - 3x$$

$$y = 7 - 3x$$

$$y = -3x + 7$$

$$\text{Slope} = m = -3$$

$$y\text{-intercept} = 7$$

OR

$$(0, 7)$$

formula

$$y = mx + b$$

$$\text{Slope} = m$$

$$y\text{-intercept} = b$$

OR

$$(0, b)$$

76. find the Slope of the line

$$2x - 5y = 10$$

$$2x - 5y - 2x = 10 - 2x$$

$$-5y = 10 - 2x$$

$$\frac{-5y}{-5} = \frac{10}{-5} - \frac{2x}{-5}$$

$$y = -2 + \frac{2}{5}x$$

$$y = \frac{2}{5}x - 2$$

$$\text{Slope} = \frac{2}{5} = m$$

$$y\text{-intercept} = -2$$

$$\text{OR } (0, -2)$$

formula

$$y = mx + b$$

$$\text{Slope} = m$$

$$y\text{-intercept} = b$$

OR

$$(0, b)$$

77) Determine whether the pair of lines are parallel, perpendicular, or neither.

$$y = \frac{8}{7}x + 4 \quad m_1 = \frac{8}{7} \quad \text{Slope}$$

$$y = -\frac{8}{7}x \quad m_2 = -\frac{8}{7} \quad \text{Slope}$$

$$m_1 = \frac{8}{7} \neq -\frac{8}{7} = m_2 \quad \text{Not Parallel}$$

$$m_1 = \frac{8}{7} \quad m_2 \neq \frac{-1}{8} \quad \text{Not Perpendicular}$$

Neither

78) Find the slope intercept of the line
 $m = 3 = \text{slope}$ $(-3, 5)$ point
 x_1, y_1

$$y - y_1 = m(x - x_1)$$

$$y - (5) = 3(x - (-3))$$

$$y - 5 = 3(x + 3)$$

$$y - 5 = 3x + 9$$

$$y - 5 + 5 = 3x + 9 + 5$$

$$y = 3x + 14$$

(78) Find the slope-intercept equation

$$\text{Slope} = m = -4$$

$$(0, 8)$$

$$x_1, y_1$$

Point

$$y - y_1 = m(x - x_1)$$

$$y - (8) = -4(x - (0))$$

$$y - 8 = -4(x - 0)$$

$$y - 8 = -4(x)$$

$$y - 8 = -4x$$

$$y - 8 + 8 = -4x + 8$$

$$y = -4x + 8$$

(8) determine whether each ordered pair is a solution

$$2x - y = 2$$

$$x + 4y = 19$$

$$2(3) - (4) = 2$$

$$6 - 4 = 2$$

$$2 = 2 \quad \text{Good}$$

$$(3) + 4(4) = 19$$

$$3 + 16 = 19$$

$$19 = 19 \quad \text{Good}$$

$$\begin{matrix} (3, 4) \\ x, y \end{matrix}$$

Subst

Subs

YES

$(3, 4)$ is a solution



$$\begin{matrix} (4, 6) \\ x, y \end{matrix}$$

$$2x - y = 2$$

$$x + 4y = 19$$

$$2(4) - (6) = 2$$

$$8 - 6 = 2$$

$$2 = 2 \quad \text{Good}$$

$$(4) + 4(6) = 19$$

$$4 + 24 = 19$$

$$28 \neq 19$$

BAD

NO

$(4, 6)$ is not a solution.



81

$$6x + y = 14$$

$$5x - y = 8$$

$$11x + 0 = 22$$

$$11x = 22$$

$$\frac{11x}{11} = \frac{22}{11}$$

$$x = 2$$

Subst

$$6x + y = 14$$

$$6(2) + y = 14$$

$$12 + y = 14$$

$$12 + y - 12 = 14 - 12$$

$$y = 2$$

$$(x, y) = (2, 2)$$

$$\textcircled{82} \quad P(x) = x^2 + x + 5 \qquad P(8)$$

$$P(8) = (8)^2 + (8) + 5$$

$$P(8) = (8)(8) + (8) + 5$$

$$P(8) = 64 + 8 + 5$$

$$P(8) = 72 + 5$$

$$P(8) = 77$$

$$\textcircled{83} \quad (3y^2 + 2y - 4) - (-9y + 5) =$$

$$3y^2 + 2y - 4 + 9y - 5 =$$

$$3y^2 + 11y - 9 =$$

84.

$$(-8y^2 - 4y) + (4y^2 + 2y - 4) =$$
$$-8y^2 - 4y + 4y^2 + 2y - 4 =$$

$$-4y^2 - 2y - 4$$

85.

$$(x+6)(x+4) =$$

$$x^2 + 4x + 6x + 24 =$$

$$x^2 + 10x + 24 =$$

85

$$(a+6)(a-5) =$$

$$a^2 - 5a + 6a - 30 =$$

$$a^2 + 1a - 30 =$$

$$a^2 + a - 30 =$$

87

$$(9y+2)^2 =$$

$$(9y+2)(9y+2) =$$

$$81y^2 + 18y + 18y + 4 =$$

$$81y^2 + 36y + 4 =$$

88

$$(4x-5)(5x+7) =$$

$$20x^2 + 28x - 25x - 35 =$$

$$20x^2 + 3x - 35 =$$

89.

$$(x+6)(x^3 - 3x + 4) =$$

$$x^4 - 3x^2 + 4x + 6x^3 - 18x + 24 =$$

$$x^4 + 6x^3 - 3x^2 - 14x + 24 =$$

90) $(3a+3)(3a^2+7a+6) =$
 $9a^3 + 21a^2 + 18a + 9a^2 + 21a + 18 =$
 $9a^3 + 30a^2 + 39a + 18 =$

91) $(5x+y)(5x-y) =$
 $25x^2 - 5xy + 5xy - y^2 =$
 $25x^2 - y^2 =$

$$(92) \quad (5x-2)(9x+4) =$$

$$45x^2 + 20x - 18x - 8 =$$

$$45x^2 + 2x - 8 =$$

$$(93) \quad \left(\frac{x^{-4}y^3}{x^2y^{10}} \right)^3 =$$

$$\frac{x^{-4(3)} y^{3(3)}}{x^{2(3)} y^{10(3)}} =$$

$$\frac{x^{-12} y^9}{x^6 y^{30}} =$$

$$\frac{1 y^9}{x^{12} \cdot x^6 \cdot y^{30}} =$$

$$\frac{1}{x^{12+6} y^{30-9}} =$$

$$\frac{1}{x^{18} y^{21}} =$$

$$\textcircled{94} \quad \frac{(-4xy^{-3})^{-5}}{(xy^{-1})^{-1}} =$$

$$\frac{((-4)^1 x^1 y^{-3})^{-5}}{(x^1 y^{-1})^{-1}} =$$

$$\frac{(-4)^{1(-5)} x^{1(-5)} y^{-3(-5)}}{x^{1(-1)} y^{-1(-1)}} \quad \sim \text{mult powers}$$

$$\frac{(-4)^{-5} x^{-5} y^{15}}{x^{-1} y^1} =$$

$$\frac{x^1 y^{15}}{(-4)^5 x^5 y^1} =$$

$$\frac{y^{15-1}}{(-4)(-4)(-4)(-4)(-4)x^{5-1}} =$$

$$\frac{y^{14}}{-1024 x^4} =$$

95

divid

$$(7x^2 + 13x + 9) \div (x+1)$$

$$\begin{array}{r} \underline{x+1 \over 7x^2 + 13x + 9} \\ \underline{-(7x^2 + 7x)} \\ 6x + 9 \\ \underline{-(6x + 6)} \\ 3 \text{ rem} \end{array}$$

$7x + 6 + \frac{3}{x+1}$

~~OR~~ use synthetic division

$$(7x^2 + 13x + 9) \div (x+1) =$$

or

$$\begin{array}{r} 7x^2 + 13x + 9 \\ \underline{ x+1} \end{array} =$$

OPD

$$\begin{array}{r|rrrr} -1 & 7 & 13 & 9 & \\ & & -7 & -6 & \\ \hline & 7 & 6 & 3 & \end{array}$$

7 6 3 rem

$$7x + 6 + \frac{3}{x+1}$$

(96) $x^2 + 10x + 16 =$ factor

$$(x + 2)(x + 8) =$$

possibly
16.1
8.2
4.4

(97) $x^2 - 4x - 32 =$ factor

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

possibly
32.1
16.2
4.8

(98) $49x^2 - 144y^2 =$ factor

$(7x)^2 - (12y)^2 =$ write

formula
 $a^2 - b^2 =$
 $(a+b)(a-b)$

$(7x+12y)(7x-12y) =$

Solve

(99) $(x-9)(x-7) = 0$

let $x-9=0$ OR $x-7=0$

$x-9+9=0+9$ OR $x-7+7=0+7$

$x=9$

OR $x=7$

100 $(5x+6)(7x-8)=0$ *Shu*

Let $5x+6=0$ OR $7x-8=0$

~~$5x+6-6=0-6$~~ OR ~~$7x-8+8=0+8$~~

$5x=-6$ OR $7x=8$

$\frac{5x}{5} = \frac{-6}{5}$ OR $\frac{7x}{7} = \frac{8}{7}$

$x = -\frac{6}{5}$

OR

$x = \frac{8}{7}$

101. $x^2 - 11x + 18 = 0$ *Sum*

$(x-2)(x-9)=0$

Let $x-2=0$ OR $x-9=0$

~~$x-2+x=0+2$~~ OR ~~$x-9+9=0+9$~~

$x=2$

OR

$x=9$

18.1 Possible

6.3

2.9