

① $7y + 2 = 5y + 13$ TS₈₃ Multipl. Choice 001
09015

- (A) $y = -\frac{2}{11}$ (B) $y = \frac{2}{11}$ (C) $y = \frac{11}{2}$ (D) $y = -\frac{11}{2}$

② $\frac{x}{9} = \frac{x+1}{10}$

- (A) $x = -1$ (B) $x = 1$ (C) $x = 9$ (D) $x = -9$

③ $10 = 2 + \frac{m}{2}$

- (A) $m = -2$ (B) $m = 2$ (C) $m = 16$ (D) $m = -16$

④ $1 + \frac{6}{x} = -17$

- (A) $x = -\frac{1}{6}$ (B) $x = \frac{1}{6}$ (C) $x = -\frac{1}{3}$ (D) $x = \frac{1}{3}$

⑤ $3 - x = 2(x - 3)$

- (A) $x = -2$ (B) $x = 2$ (C) $x = 3$ (D) $x = -3$

⑥ Find a if $ax - 80 = x + 2$, $x = 2$

- (A) $a = -40$ (B) $a = 40$ (C) $a = 42$ (D) $a = -42$

⑦ $6x + 60 = 8x$

- (A) $x = -6$ (B) $x = 6$ (C) $x = 30$ (D) $x = -31$

⑧ Find C if $K = C + 293$, $K = 30$

- (A) $C = -273$ (B) $C = 273$ (C) $C = -263$ (D) $C = 263$

9. $6(x-2) - 48 = 8x$

TS183 002

- (a) $x = -20$ (b) $x = 20$ (c) $x = -30$ (d) $x = 30$

10. Find y if $3x + 5y = 59$, $x = 3$

- (a) $y = -18$ (b) $y = 18$ (c) $y = 10$ (d) $y = -10$

11. $x - 2 = 4x - 2$

- (a) $x = -2$ (b) $x = -4$ (c) $x = 0$ (d) $x = 4$

12. $4 - x = x - 4$

- (a) $x = 8$ (b) $x = 0$, (c) $x = 4$ (d) $x = -4$

13. $\frac{2}{5x} + \frac{1}{x} = 7$

- (a) $x = -\frac{1}{7}$ (b) $x = \frac{1}{7}$ (c) $x = \frac{1}{5}$ (d) $x = -\frac{1}{5}$

14. $-4x - 8 < -12$

- (a) $x < -1$ (b) $x > -1$ (c) $x > 1$ (d) $x < 1$

15. $\frac{x}{4} + \frac{3x}{8} > 5$

- (a) $x < -8$ (b) $x > -8$ (c) $x > 8$ (d) $x < 8$

TSI 83 (003)
⑯ Find P if $P=2(L+w)$, $L=10$, $w=8$

- (a) $P=10$ (b) $P=20$ (c) $P=36$ (d) $P=16$

⑰ Find $f(4)$ if $f(x)=\frac{x-20}{x-5}$

- (a) $f(4)=8$ (b) $f(4)=-16$ (c) $f(4)=16$ (d) $f(4)=0$

⑱ Find A if $A=\pi r^2$, $\pi=3.14$, $r=10$

- (a) $A=314$ (b) $A=3.14$ (c) $A=314.$ (d) $A=31.4$

⑲ Find C if $C=\frac{5}{9}(F-32)$, $F=68$

- (a) $C=-10$ (b) $C=10$ (c) $C=20$ (d) $C=-20$

⑳ Find $f(-2)$ if $f(x)=-4x^2-3x+10$

- (a) $f(-2)=1$ (b) $f(-2)=-4$ (c) $f(-2)=0$ (d) $f(-2)=4$

㉑ If $x=-7$ Evaluate $(x+9)(x+7)$

- (a) 2 (b) -7 (c) 0 (d) -4

㉒ Find $f(3)$ if $f(x)=x^{-2}$

- (a) $f(3)=-9$ (b) $f(3)=-\frac{1}{9}$ (c) $f(3)=\frac{1}{9}$ (d) $f(3)=9$

㉓ Find $f(2)$ if $f(x)=\frac{10x}{1-x}$

- (a) $f(2)=-10$ (b) $f(2)=10$ (c) $f(2)=-20$ (d) $f(2)=20$

(24) Find $f(-1)$ if $f(x) = \sqrt{x+5} + 3$ FS183 004

- (A) $f(-1) = 4$ (B) $f(-1) = 0$ (C) $f(-1) = 5$ (D) $f(-1) = 6$

(25) Find $f(-8)$ if $f(x) = |8x - 3|$

- (A) $f(-8) = -60$ (B) $f(-8) = 60$ (C) $f(-8) = 67$ (D) $f(-8) = -67$

(26) Find $P_r - r$ if $P = -5$, $r = \frac{1}{2}$

- (A) -4 (B) 4 (C) -3 (D) 3

(27) Find $f\left(\frac{1}{4}\right)$ if $f(x) = \frac{1}{x} + \frac{8}{x}$

- (A) $f\left(\frac{1}{4}\right) = 8$ (B) $f\left(\frac{1}{4}\right) = 0$ (C) $f\left(\frac{1}{4}\right) = 36$ (D) $f\left(\frac{1}{4}\right) = -36$

(28) Find the mean of 80, 90, 70, 95, 100.

- (A) 75 (B) 90 (C) 87 (D) 88

(29) Evaluate $2000(1.04)^2$

- (A) 2.16320 (B) 21.6320 (C) 2163.20 (D) 216.320

(30) Simplify $\frac{a^{18}}{a^6}$

- (A) a^3 (B) a^2 (C) a^{12} (D) a^{24}

(31) Simplify $10a^3(ab^2 + b^2)$

- (A) $10a^4b^2 - 10a^3b^2$ (B) $10a^2b^2 + 10a^6b^7$

(C) $10a^4b^2 + 10a^3b^2$

- (D) $5a^4b^2 + 5a^3b^2$

TS183005

(32) Simplify $\left(\frac{2}{x}\right)^3$

(a) $\frac{8}{x^2}$

(b) $\frac{2y}{x^3}$

(c) $\frac{8}{x^3}$

(d) $\frac{4}{x^3}$

(33) Simplify $\left(\frac{3x}{5y}\right)\left(\frac{125y^3}{27x}\right)$

(a) $\frac{25y}{9x}$

(b) $\frac{25y}{9}$

(c) $\frac{25y^2}{9}$

(d) $\frac{25y^2}{9x}$

(34) Simplify $\frac{x+8x^2}{x}$

(a) $1+x^2$

(b) $1+4x$

(c) $1+8x$

(d) $1-8x$

(35) Find N if $a^2+N+5b^2=(a+b)(a+5b)$

(a) $N=3ab$ (b) $N=2ab$ (c) $N=6ab$ (d) $N=5ab$

(36) Find V if $V=\pi r^2 h$, $r=10a$, $h=2a+3$

(a) $V=200\pi a^3 - 300\pi a$ (b) $V=200\pi a^2 + 300\pi a^3$

(c) $V=200\pi a^3 + 300\pi a^2$ (d) $V=200\pi a^3 + 300\pi a$

(37) Find area



(a) $A=2x^2+x+36$

(b) $A=2x^2-36$

(c) $A=2x^2-x-36$

(d) $A=2x^2+36$

(38) Find area

$$\boxed{3x-5y}$$

$$3x-5y$$

BSI 83006

A) $A = 9x^2 + 25y^2$

B) $A = 9x^2 - 25y^2$

C) $A = 9x^2 - 30xy + 25y^2$

D) $A = 9x^2 + 30xy + 25y^2$

(39) If $2x^2 - 8 = k$ then $x^2 - 4 =$

A) $-2k$

B) $2k$

C) $\frac{k}{2}$

D) $-\frac{k}{2}$

(40) Simplify $(3xy^7)^4$

A) $27x^4y^{28}$

B) $9x^2y^{28}$

C) $81x^4y^{28}$

D) $80x^4y^{28}$

(41) Simplify

$$\left(\frac{24k}{12}\right)^2$$

A) $8k$

B) $24k^2$

C) $4k^2$

D) $2k^2$

(42) Simplify $P - 0.25P$

A) $27P$

B) $0.65P$

C) $0.75P$

D) $0.85P$

(43) Find X

$$\frac{ax-b}{8a-1} = b$$

A) $X = 4b$

B) $X = 3b$

C) $X = 8b$

D) $X = 6b$

(44) Simplify $\frac{20a^3b^4}{15a^7b^2}$

FS 183-003

- (a) $\frac{4b^3}{3a^3}$ (b) $\frac{20b^2}{3a^4}$ (c) $\frac{4b^2}{3a^4}$ (d) $\frac{2b^2}{3a^4}$

(45) Simplify $(8x+5y)(8x-5y)$

(a) $64x^2 - 80xy + 25y^2$ (b) $64x^2 + 80xy - 25y^2$

(c) $64x^2 - 25y^2$ (d) $64x^2 + 25y^2$

(46) Simplify $(5x-2y)(5x-2y)$

(a) $25x^2 + 4y^2$ (b) $25x^2 - 4y^2$

(c) $25x^2 - 20xy + 4y^2$ (d) $25x^2 + 20xy + 4y^2$

(47) Simplify $(6x-5y)^2$

(a) $36x^2 + 25y^2$ (b) $36x^2 - 25y^2$

(c) $36x^2 - 60xy + 25y^2$ (d) $36x^2 + 60xy + 25y^2$

(48) Simplify $(x-1)(x+3)$

(a) $x^2 - 4x - 3$ (b) $x^2 + 4x - 3$ (c) $x^2 + 2x - 3$ (d) $x^2 - 2x - 3$

(49) Factor $x^2 - 81$

(a) $(x+81)(x-81)$ (b) $(x+4)(x-4)$ (c) $(x+9)(x-9)$ (d) $(x-9)(x+9)$

(50) Factor $x^2 - 25y^2$

(A) $(x+25y)(x-25y)$ (B) $(x+5y)(x+5y)$

(C) $(x+5y)(x-5y)$ (D) $(x-5y)(x-5y)$

(51) Factor $\frac{25x^2}{9} - 64$

(E) $(\frac{5x}{9} + 8)(\frac{5x}{9} - 8)$ (F) $(\frac{5x}{3} + 8)(\frac{5x}{3} + 8)$

(G) $(\frac{5x}{3} + 8)(\frac{5x}{3} - 8)$ (H) $(\frac{5x}{3} - 8)(\frac{5x}{3} - 8)$

(52) Factor $\frac{25x^2}{16} - \frac{9y^2}{49}$

(I) $(5x+3y)(5x-3y)$ (J) $(\frac{5x}{4} + \frac{3y}{7})(\frac{5x}{4} + \frac{3y}{7})$

(K) $(\frac{5x}{4} + \frac{3y}{7})(\frac{5x}{4} - \frac{3y}{7})$ (L) $(\frac{5x}{4} - \frac{3y}{7})(\frac{5x}{4} - \frac{3y}{7})$

(53) Factor $\frac{x^2}{9} - \frac{y^2}{25}$

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

(N) $(\frac{x}{3} + \frac{y}{5})(\frac{x}{3} - \frac{y}{5})$

(54) Factor $\frac{9x^2}{16} - \frac{49}{25}$

(O) $(4x+5y)(4x-5y)$ (P) $(\frac{3x}{4} + \frac{7}{5})(\frac{3x}{4} + \frac{7}{5})$

(Q) $(\frac{3x}{4} + \frac{7}{5})(\frac{3x}{4} - \frac{7}{5})$ (R) $(\frac{3x}{4} - \frac{7}{5})(\frac{3x}{4} - \frac{7}{5})$

55. Factor $144x^2 - 25y^2$ TSI 83-009

- (A) $(12x+25y)(12x-25y)$ (B) $(12x+5y)(12x+5y)$
 (C) $(12x+5y)(12x-5y)$ (D) $(12x-5y)(12x-5y)$

56. Factor $x^2 + x - 12$

- (A) $(x+3)(x-4)$ (B) $(x+3)(x+4)$
 (C) $(x-3)(x+4)$ (D) $(x-3)(x-4)$

57. Factor $x^2 - 10x + 16$

- (A) $(x+2)(x-8)$ (B) $(x-2)(x+8)$
 (C) $(x-2)(x-8)$ (D) $(x+2)(x+8)$

58. Factor $x^2 + x - 2$

- (A) $(x+1)(x-2)$ (B) $(x+1)(x+2)$
 (C) $(x-1)(x+2)$ (D) $(x-1)(x-2)$

59. Factor $x^3 - x^2 - 6x$

- (A) $x(x+2)(x+3)$ (B) $x(x-2)(x+3)$
 (C) $x(x+2)(x-3)$ (D) $x(x-2)(x-3)$

60. Factor $2x^2 + 9x - 5$

- (A) $(2x+1)(x-5)$ (B) $(2x+1)(x+5)$
 (C) $(2x-1)(x+5)$ (D) $(2x-1)(x-5)$

61. Factor $2x^2 + 9x - 18$ PST 83-010

- (A) $(2x+3)(x-6)$ (B) $(2x+3)(x+6)$
(C) $(2x-3)(x+6)$ (D) $(2x-3)(x-6)$

62. Factor $3x^2 - 10x - 8$

- (A) $(3x-2)(x+4)$ (B) $(3x+2)(x+4)$
(C) $(3x+2)(x-4)$ (D) $(3x-2)(x-4)$

63. Factor $8x^2 - 9x + 1$

- (A) $(8x-1)(x+1)$ (B) $(8x+1)(x-1)$
(C) $(8x-1)(x-1)$ (D) $(8x+1)(x+1)$

64. Solve $x^2 + x - 12 = 0$

- (A) $\{-3, 4\}$ (B) $\{-3, -4\}$ (C) $\{3, -4\}$ (D) $\{3, 4\}$

65. Solve $x^2 - 10x = -16$

- (A) $\{2, -8\}$ (B) $\{-2, 8\}$ (C) $\{2, 8\}$ (D) $\{-2, -8\}$

66. Solve $x^2 - 2 = -x$

- (A) $\{-1, 2\}$ (B) $\{1, 2\}$ (C) $\{1, -2\}$ (D) $\{-1, -2\}$

67. Solve $x^2 - 6 = x$ TSI 83-011

- (A) $\{2, -3\}$ (B) $\{-2, -3\}$ (C) $\{-2, 3\}$ (D) $\{2, 3\}$

68. Solve $2x^2 + 9x - 5 = 0$

- (A) $\{-\frac{1}{2}, -5\}$ (B) $\{-\frac{1}{2}, 5\}$ (C) $\{\frac{1}{2}, -5\}$ (D) $\{\frac{1}{2}, 5\}$

69. Solve $2x^2 + 9x - 18 = 0$

- (A) $\{-\frac{3}{2}, 6\}$ (B) $\{-\frac{3}{2}, -6\}$ (C) $\{\frac{3}{2}, -6\}$ (D) $\{\frac{3}{2}, 6\}$

70. Solve $3x^2 - 10x = 8$

- (A) $\{\frac{2}{3}, -4\}$ (B) $\{-\frac{2}{3}, -4\}$ (C) $\{-\frac{2}{3}, 4\}$ (D) $\{\frac{2}{3}, 4\}$

71. Solve $8x^2 = 9x - 1$

- (A) $\{\frac{1}{8}, -1\}$ (B) $\{-\frac{1}{8}, -1\}$ (C) $\{\frac{1}{8}, 1\}$ (D) $\{-\frac{1}{8}, 1\}$

72. Factor GCF $15y - 3$

- (A) $15(y + 3)$ (B) $15(y - 3)$ (C) $3(5y - 1)$ (D) $3(5y + 1)$

73. Factor GCF $15x^3y - 3x^2y^2$

- (A) $15xy(5x + y)$ (B) $15x^2y(5x - y)$

- (C) $3x^2y(5x - 9)$ (D) $3xy(5x - 9)$

74 Factor GCF $6x^3 + 15x^2 + 9xy^2$ TSI 83-012

(A) $3x(6x^2 + 3x + 2y^2)$ (B) $3x(2x^2 + 10x + 5y^2)$

(C) $3x(2x^2 + 5x + 3y^2)$ (D) $3x(2x^2 - 5x + 3y^2)$

75 Factor GCF $2x^3 - 10x^2 - 10x$

(A) $2x(x^2 - x - 5)$ (B) $2x(x^2 + 3x + 5)$

(C) $2x(x^2 - 5x - 5)$ (D) $2x(x^2 + 5x + 5)$

76 Solve $(x-2)^2 = 25$

(A) $\{3, -7\}$ (B) $\{3, 7\}$ (C) $\{-3, 7\}$ (D) $\{-3, -7\}$

77 Solve $\frac{x}{5} = \frac{5}{x}$

(A) $\{-5\}$ (B) $\{5\}$ (C) $\{-5, 5\}$ (D) $\{-25, 25\}$

78 Solve $\frac{x}{2} = \frac{1}{x}$

(A) $\{-\sqrt{3}, \sqrt{3}\}$ (B) $\{-\sqrt{2}\}$ (C) $\{-\sqrt{2}, \sqrt{2}\}$ (D) $\{\sqrt{2}\}$

79 Solve $\sqrt{x-2} = 4$

(A) $x = -9$ (B) $x = -18$ (C) $x = 18$ (D) $x = 9$

(80) Solve $\sqrt{x} + 2 = 9$ TSI 83-013

- (a) $x = 7$ (b) $x = 11$ (c) $x = 49$ (d) $x = 7$

(81) Solve $-4x^2(x - 8) = 0$

- (a) $\{0, -4\}$ (b) $\{-4, -8\}$ (c) $\{0, 8\}$ (d) $\{0, -8\}$

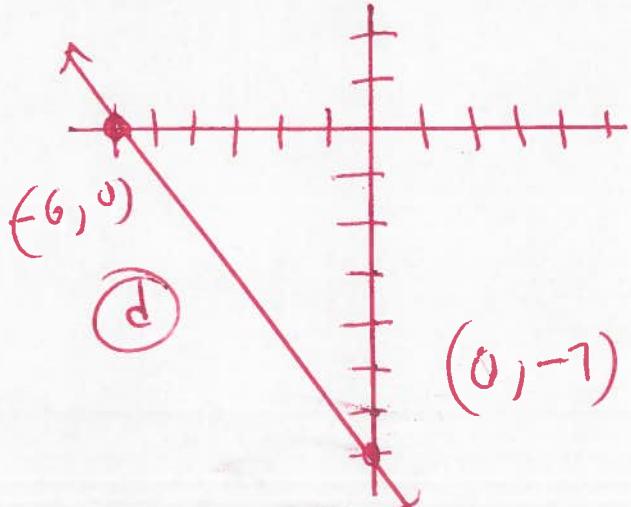
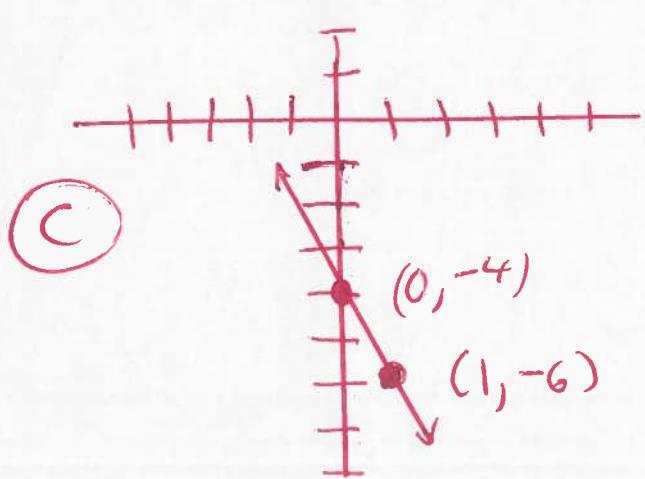
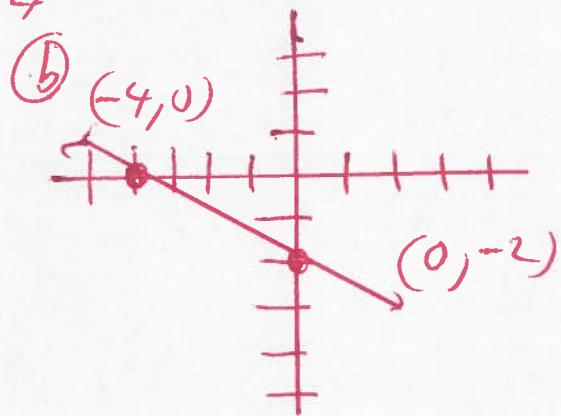
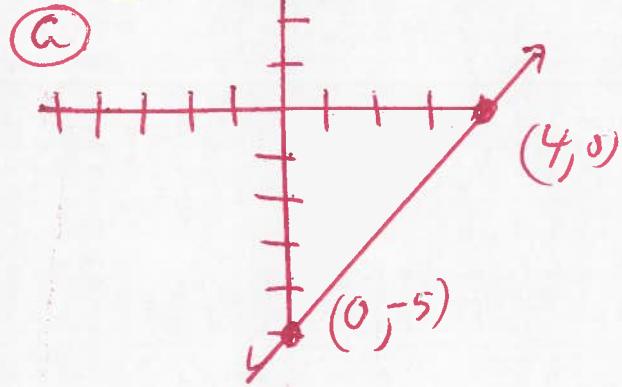
(82) Solve $2x + 5y = 7$

$$3x + 2y = 5$$

(a) $(x, y) = (7, 5)$ (b) $(x, y) = (1, -1)$

(c) $(x, y) = (1, 1)$ (d) $(x, y) = (-1, 1)$

(83) Graph $y = -2x - 4$



- 9-10-15 Tsi 83 -
- ① $7y+2 = 5y+13$
 ② $\frac{x}{9} = \frac{x+1}{10}$
 ③ $10 = 2 + \frac{m}{2}$
 ④ $1 + \frac{6}{x} = -17$
 ⑤ $3-x = 2(x-3)$
 ⑥ Find a if $ax-80 = x+2$, $x=2$
 ⑦ $6x+60 = 8x$
 ⑧ Find C if $k = C+293$, $k=30$
 ⑨ $6(x-2) - 48 = 8x$
 ⑩ Find y if $3x+5y = 59$, $x=3$
 ⑪ $x-2 = 4x-2$
 ⑫ $4-x = x-4$
 ⑬ $\frac{2}{5x} + \frac{1}{x} = 7$
 ⑭ $-4x-8 < -12$
 ⑮ $\frac{x}{4} + \frac{3x}{8} > 5$
 ⑯ Find P if $P=2(L+w)$, $L=10$, $w=8$
 ⑰ Find f(4) if $f(x) = \frac{x-20}{x-5}$
 ⑱ Find A if $A=\pi r^2$, $\pi=3.14$, $r=10$
 ⑲ Find C if $C = \frac{5}{9}(F-32)$, $F=68$
 ⑳ Find f(-2) if $f(x) = -4x^2 - 3x + 10$
 ㉑ If $x=-7$ evaluate $(x+9)(x+7)$
 ㉒ Find f(3) if $f(x) = x^{-2}$
- ㉓ Find $f(2)$ if $f(x) = \frac{10x}{1-x}$
 ㉔ Find $f(-1)$ if $f(x) = \sqrt{x+5} + 3$
 ㉕ Find $f(-8)$ if $f(x) = |8x-3|$
 ㉖ Find Pr-r if $p=-5$, $r=\frac{1}{2}$
 ㉗ Find $f(\frac{1}{4})$ if $f(x) = \frac{1}{x} + \frac{8}{x}$
 ㉘ Find the mean of 80, 90, 70, 95, 100
 ㉙ Evaluate $2000(1.04)^2$
 ㉚ Simplify $\frac{a^{18}}{a^6}$
 ㉛ Simplify $10a^3(ab^2+b^2)$
 ㉜ Simplify $\left(\frac{2}{x}\right)^3$
 ㉝ Simplify $\left(\frac{3x}{5y}\right)\left(\frac{125y^3}{27x}\right)$
 ㉞ Simplify $\frac{x+8x^2}{x}$
 ㉟ Find N if $a^2 + N + 5b^2 = (a+b)(a+5b)$
 ㉟ Find V if $V = \pi r^2 h$
 ㉟ $r=10a$, $h=2a+3$
 ㉟ Find area
- 
- ㉟ Find area of a square with a side of $3x-5y$
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(41-45) TSI 83

(39) If $2x^2 - 8 = k$ then

(40) Simplify $(3xy^7)^4$

(41) Simplify $\left(\frac{24k}{12}\right)^2$

(42) Simplify $p - 0.25p$

(43) Find x , $\frac{ax-b}{8a-1} = b$

(44) Simplify $\frac{20a^3b^4}{15a^7b^2}$

(45) Simplify $(8x+5y)(8x-5y)$

(46) Simplify $(5x-2y)(5x-2y)$

(47) Simplify $(6x-5y)^2$

(48) Simplify $(x-1)(x+3)$

(49) Factor $x^2 - 81$

(50) Factor $x^2 - 25y^2$

(51) Factor $\frac{25x^2}{9} - 64$

(52) Factor $\frac{25x^2}{16} - \frac{9y^2}{49}$

(53) Factor $\frac{x^2}{9} - \frac{y^2}{25}$

(54) Factor $\frac{9x^2}{16} - \frac{49}{25}$

(55) Factor $144x^2 - 25y^2$

(56) Factor $x^2 + x - 12$

(57) Factor $x^2 - 10x + 16$

(58) Factor $x^2 + x - 2$

(59) Factor $x^3 - x^2 - 6x$

(60) Factor $2x^2 + 9x - 5$

(61) Factor $2x^2 + 9x - 18$

(62) Factor $3x^2 - 10x - 8$

(63) Factor $8x^2 - 9x + 1$

(64) Solve $x^2 + x - 12 = 0$

(65) Solve $x^2 - 10x = -16$

(66) Solve $x^2 - 2 = -x$

(67) Solve $x^2 - 6 = x$

(68) Solve $2x^2 + 9x - 5 = 0$

(69) Solve $2x^2 + 9x - 18 = 0$

(70) Solve $3x^2 - 10x = 8$

(71) Solve $8x^2 = 9x - 1$

(72) Factor GCF $15y - 3$

(73) Factor GCF $15x^3y - 3x^2y^2$

(74) Factor GCF $6x^3 + 15x^2 + 9xy^2$

(75) Factor GCF $2x^3 - 10x^2 - 10x$

(76) Solve $(x-2)^2 = 25$ $x =$

(77) Solve $\frac{x}{5} = \frac{5}{x}$ $x =$

(78) Solve $\frac{x}{2} = \frac{1}{x}$ $x =$

(79) $\sqrt{x-2} = 4$ $x =$

(80) $\sqrt{x} + 2 = 9$ $x =$

(81) $-4x^2(x-8) = 0$ $x =$

(82) $2x + 5y = 7$ $(x, y) = (,)$

(83) $3x + 2y = 5$ $y = -2x - 4$

$$\begin{aligned}
 ① \quad & 7y + 2 = 5y + 13 \\
 & 7y + 2 - 2 = 5y + 13 - 2 \\
 & 7y = 5y + 11 \\
 & 7y - 5y = 5y + 11 - 5y \\
 & 2y = 11 \\
 & \frac{2y}{2} = \frac{11}{2} \\
 & y = \frac{11}{2}
 \end{aligned}$$

3.
TSi 83

$$\begin{aligned}
 ② \quad & \frac{x}{9} = \frac{x+1}{10} \quad \text{(Cross mult)} \\
 & 10(x) = 9(x+1) \quad \cancel{\times} \\
 & 10x = 9x + 9 \\
 & 10x - 9x = 9x + 9 - 9x \\
 & 1x = 9 \\
 & x = 9
 \end{aligned}$$

$$\begin{aligned}
 ③ \quad & 10 = 2 + \frac{m}{2} \\
 & 10 - 2 = 2 + \frac{m}{2} - 2 \quad \text{(Cross mult)} \\
 & 8 = \frac{m}{2} \\
 & \frac{8}{1} = \frac{m}{2}
 \end{aligned}$$

$$2(8) = 1(m)$$

$$16 = m$$

$$\begin{aligned}
 ④ \quad & 1 + \frac{6}{x} = -17 \\
 & 1 + \frac{6}{x} - 1 = -17 - 1 \\
 & \frac{6}{x} = -18 \\
 & \frac{6}{x} = -\frac{18}{1} \\
 & \frac{1}{x} = -\frac{1}{3}
 \end{aligned}$$

cross mult
~~✖~~

$$\begin{aligned}
 & 1(6) = -18(x) \\
 & 6 = -18x \\
 & \frac{6}{-18} = \frac{-18x}{-18} \\
 & -\frac{6(1)}{6(3)} = x \\
 & -\frac{1}{3} = x
 \end{aligned}$$

$$⑤. \quad 3-x = 2(x-3)$$

$$3-x = 2x - 6$$

$$\cancel{3}-x-\cancel{3} = 2x-6-3$$

$$-x = 2x - 9$$

$$-x - 2x = \cancel{2x} - 9 - \cancel{2x}$$

$$-1x - 2x = -9$$

$$-3x = -9$$

$$\frac{-3x}{-3} = \frac{-9}{-3}$$

$$x = 3$$

$$⑥ \text{ Find } a \text{ if } ax - 80 = x + 2, \quad x = 2$$

$$ax - 80 = x + 2$$

$$a(2) - 80 = (2) + 2$$

$$2a - 80 = 2 + 2$$

$$2a - 80 = 4$$

$$2a - 80 + 80 = 4 + 80$$

$$2a = 84$$

$$\frac{2a}{2} = \frac{84}{2}$$

$$a = 42$$

$$⑦. \quad 6x + 60 = 8x$$

$$6x + 60 - 60 = 8x - 60$$

$$6x = 8x - 60$$

$$6x - 8x = \cancel{8x} - 60 - \cancel{8x}$$

$$-2x = -60$$

$$\frac{-2x}{-2} = \frac{-60}{-2}$$

4.

$$x = 30$$

8) Find C if $k = c + 293$, $k = 30$

$$k = c + 293$$

$$30 = c + 293$$

$$30 - 293 = c + 293 - 293$$

$$\cancel{-293} = \cancel{c}$$

(8)

9) $6(x-2) - 48 = 8x$

$$6x - 12 - 48 = 8x$$

$$6x - 60 = 8x$$

$$6x - 60 + 60 = 8x + 60$$

$$6x = 8x + 60$$

$$6x - 8x = 8x + 60 - 8x$$

$$-2x = 60$$

$$\frac{-2x}{-2} = \frac{60}{-2}$$

$$\boxed{x = -30}$$

10) Find y if $3x + 5y = 59$, $x = 3$

$$3x + 5y = 59$$

$$3(3) + 5y = 59$$

$$9 + 5y = 59$$

$$9 + 5y - 9 = 59 - 9$$

$$5y = 50$$

$$\frac{5y}{5} = \frac{50}{5}$$

$$\boxed{y = 10}$$

$$11. \quad x - 2 = 4x - 2$$

$$x - 2 + 2 = 4x - 2 + 2$$

$$x = 4x$$

$$1x - 4x = 4x - 4x$$

$$-3x = 0$$

$$\frac{-3x}{-3} = \frac{0}{-3}$$

$$x = 0$$

Q. 6.

$$12. \quad 4 - x = x - 4$$

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

$$-x = x - 8$$

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

$$-1x - 1x = -8$$

$$-2x = -8$$

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

$$x = 4$$

$$13. \quad \frac{2}{5x} + \frac{1}{x} = 7 \quad \text{LCD} = 5x$$

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

$$2(1) + 1(5) = 7(5)$$

$$2 + 5 = 35$$

$$7 = 35x$$

$$\frac{7}{35} = \frac{35x}{35}$$

$$\frac{7}{35} = x$$

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

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

$$⑭ \quad -4x - 8 < -12$$

$$-4x - 8 + 8 < -12 + 8$$

$$-4x < -4$$

$$\frac{-4x}{-4} > \frac{-4}{-4}$$

$$x > 1$$



$$⑮ \quad \frac{x}{4} + \frac{3x}{8} > 5 \quad (\text{LCD} = 8)$$

$$\frac{x}{4}(8) + \frac{3x}{8}(8) > 5(8)$$

$$x(2) + 3x(1) > 5(8)$$

$$2x + 3x > 40$$

$$5x > 40$$

$$\frac{5x}{5} > \frac{40}{5}$$

$$x > 8$$

$$⑯ \quad \text{Find } P \text{ if } P = 2(L+w), \ L = 10, \ w = 8$$

$$P = 2(L+w)$$

$$P = 2(10+8)$$

$$P = 2(18)$$

$$P = 36$$

$$⑰ \quad \text{Find } f(4) \text{ if } f(x) = \frac{x-20}{x-5}$$

$$f(x) = \frac{x-20}{x-5}$$

$$f(4) = \frac{(4)-20}{(4)-5}$$

$$f(4) = \frac{4-20}{4-5}$$

$$f(4) = \frac{-16}{-1}$$

$$f(4) = 16$$

(18) Find A if $A = \pi r^2$, $\pi = 3.14$, $r = 10$

$$A = \pi r^2$$

$$A = 3.14 (10)^2$$

$$A = 3.14 (10)(10)$$

$$A = 3.14 (100)$$

$$\boxed{A = 314.}$$

$$\begin{array}{r} 3.14 \\ \times 100 \\ \hline 314.00 \end{array}$$



(19) Find C if $C = \frac{5}{9}(F - 32)$, $F = 68$

$$C = \frac{5}{9}(F - 32)$$

$$C = \frac{5}{9}(68 - 32)$$

$$C = \frac{5}{9}(36)$$

$$C = \frac{5}{1}(4)$$

$$\boxed{C = 20}$$

(20) Find $f(-2)$ if $f(x) = -4x^2 - 3x + 10$

$$f(x) = -4x^2 - 3x + 10$$

$$f(-2) = -4(-2)^2 - 3(-2) + 10$$

$$f(-2) = -4(-2)(-2) - 3(-2) + 10$$

$$f(-2) = -4(4) - 3(-2) + 10$$

$$f(-2) = -16 + 6 + 10$$

$$f(-2) = -10 + 10$$

$$\boxed{f(-2) = 0}$$

(21) If $x = -7$ evaluate $(x+9)(x+7)$

$$(x+9)(x+7) =$$

$$(-7+9)(-7+7) =$$

$$(2)(0) =$$

$$0 =$$

(22) Find $f(3)$ if $f(x) = x^{-2}$

$$f(x) = x^{-2}$$

$$f(3) = 3^{-2}$$

$$f(3) = \frac{1}{3^2}$$

$$f(3) = \frac{1}{3 \times 3}$$

$$f(3) = \frac{1}{9}$$

(23) Find $f(2)$ if $f(x) = \frac{10x}{1-x}$

$$f(x) = \frac{10x}{1-x}$$

$$f(2) = \frac{10(2)}{1-(2)}$$

$$f(2) = \frac{20}{-1}$$

$$f(2) = -20$$



(24) Find $f(-1)$ if $f(x) = \sqrt{x+5} + 3$

$$f(x) = \sqrt{x+5} + 3$$

$$f(-1) = \sqrt{-1+5} + 3$$

$$f(-1) = \sqrt{4} + 3$$

$$f(-1) = 2 + 3$$

$$\boxed{f(-1) = 5}$$

10.

(25) Find $f(-8)$ if $f(x) = |8x - 3|$

$$f(x) = |8x - 3|$$

$$f(-8) = |-8(8) - 3|$$

$$f(-8) = |-64 - 3|$$

$$f(-8) = |-67|$$

$$\boxed{f(-8) = 67}$$

(26) Find $p_r - r$ if $p = -5$, $r = \frac{1}{2}$

$$-5\left(\frac{1}{2}\right) - \left(\frac{1}{2}\right) =$$

$$-\frac{5}{1}\left(\frac{1}{2}\right) - \left(\frac{1}{2}\right) =$$

$$-\frac{5}{2} - \frac{1}{2} =$$

$$\frac{-5-1}{2} =$$

$$-\frac{6}{2} =$$

$$\boxed{-3 =}$$

(27) Find $f(\frac{1}{4})$ if $f(x) = \frac{1}{x} + \frac{8}{x}$

$$f(\frac{1}{4}) = \frac{1}{\frac{1}{4}} + \frac{8}{\frac{1}{4}}$$

$$f(\frac{1}{4}) = \frac{1}{\frac{1}{4}} + \frac{8}{\frac{1}{4}}$$

$$f(\frac{1}{4}) = 1 \cdot \frac{4}{1} + 8 \cdot \frac{4}{1}$$

$$f(\frac{1}{4}) = 4 + 32$$

$$f(\frac{1}{4}) = 4 + 32$$

$$\boxed{f(\frac{1}{4}) = 36}$$



(28) Find the mean of 80, 90, 70, 95, 100

$$\begin{array}{r} 80 \\ 90 \\ 70 \\ 95 \\ + 100 \\ \hline 435 \end{array}$$

$$\begin{array}{r} 87 \\ 5 \overline{)435} \\ - (40) \\ \hline 35 \\ - (35) \\ \hline 0 \end{array}$$

(29) Evaluate $2000(1.04)^2$

$$\begin{array}{r} 1.04 \\ \times 1.04 \\ \hline 416 \\ 000 \\ \hline 104 \\ \hline 1.0816 \end{array}$$

$$2000(1.04)(1.04) =$$

$$2000(1.0816) =$$

$$\boxed{2163.200}$$

$$\begin{array}{r} 1.0816 \\ \times 2000 \\ \hline 2163.2000 \end{array}$$

(30) Simplify

$$\frac{a^{18}}{a^6} =$$

$$a^{18-6} =$$

$$a^{12} =$$



(31) Simplify

$$10a^3(ab^2 + b^2) =$$

$$10a^3(a^1b^2 + b^2) =$$

$$10a^4b^2 + 10a^3b^2 =$$

(32) Simplify

$$\left(\frac{2}{x}\right)^3 =$$

$$\left(\frac{2}{x}\right)\left(\frac{2}{x}\right)\left(\frac{2}{x}\right) =$$

$$\frac{8}{x^3} =$$

(33) Simplify

$$\left(\frac{3x}{5y}\right)\left(\frac{125y^3}{27x}\right) =$$

Primes 2, 3, 5, 7

$$\begin{array}{r} 5 \longdiv{125} \\ 5 \longdiv{25} \\ 5 \longdiv{5} \\ 1 \end{array}$$

$$\begin{array}{r} 3 \longdiv{27} \\ 3 \longdiv{9} \\ 3 \longdiv{3} \\ 1 \end{array}$$

$$125 = 5 \cdot 5 \cdot 5$$

$$27 = 3 \cdot 3 \cdot 3$$

$$\frac{3x}{5y} \cdot \frac{5 \cdot 5 \cdot 5 \cdot y \cdot y}{3 \cdot 3 \cdot 3 \cdot x} =$$

$$\frac{25y^2}{9} =$$

(34) Simplify

$$\frac{x+8x^2}{x} =$$

$$\frac{x}{x} + \frac{8x^2}{x} =$$

$$1 + \frac{8 \cdot x \cdot x}{x} =$$

$$1 + 8x =$$



(35) Find N if $a^2 + N + 5b^2 = (a+b)(a+5b)$

$$a^2 + N + 5b^2 = (a+b)(a+5b)$$

$$\begin{aligned} &= a^2 + 5ab + ab + 5b^2 \\ &= a^2 + 5ab + 1ab + 5b^2 \\ &= a^2 + 6ab + 5b^2 \end{aligned}$$

$$N = 6ab$$

(36) Find V if $V = \pi r^2 h$, $r = 10a$, $h = 2a+3$

$$V = \pi r^2 h$$

$$V = \pi (10a)^2 (2a+3)$$

$$V = \pi (10a)(10a)(2a+3)$$

$$V = \pi (100a^2)(2a+3)$$

$$V = \pi (200a^3 + 300a^2)$$

$$V = 200\pi a^3 + 300\pi a^2$$

37) Find area



$$2x-9$$

$$x+4$$

(14.)

$$A = L \times W$$

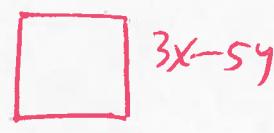
$$A = (x+4)(2x-9)$$

$$A = 2x^2 - 9x + 8x - 36$$

$$A = 2x^2 - 1x - 36$$

$$A = 2x^2 - x - 36$$

38. Find area of a square with a side of $3x-5y$



$$3x-5y$$

$$3x-5y$$

$$A = L \times W$$

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

$$A = 9x^2 - 15xy - 15xy + 25y^2$$

$$A = 9x^2 - 30xy + 25y^2$$

39) If $2x^2 - 8 = k$ then $x^2 - 4 =$

$$2x^2 - 8 = k$$

$$\frac{2x^2}{2} - \frac{8}{2} = \frac{k}{2}$$

$$x^2 - 4 = \frac{k}{2}$$

40. Simplify

$$(3x^7)^4 =$$

$$(3^1 x^1 y^7)^4 =$$

$$3^{1(4)} x^{1(4)} y^{7(4)} =$$

$$3^4 x^4 y^{28} =$$

$$3 \cdot 3 \cdot 3 \cdot 3 x^4 y^{28} =$$

$$81x^4 y^{28} =$$

(41) Simplify

$$\left(\frac{24k}{12}\right)^2 =$$

$$(2k)^2 =$$

$$(2k)(2k) =$$

$$4k^2 =$$

(42) Simplify

$$P - 0.25P =$$

$$1.00P - 0.25P =$$

$$0.75P =$$

(43) Find X

$$\frac{ax-b}{8a-1} = b$$

$$\frac{ax-b}{8a-1} = \frac{b}{1}$$

$$1(ax-b) = b(8a-1)$$

$$ax-b = 8ab - b$$

$$ax - b + b = 8ab - b + b$$

$$ax = 8ab$$

$$\frac{ax}{a} = \frac{8ab}{a}$$

$$x = 8b$$

Cross



mult



(44) Simplify

$$\frac{20a^3b^4}{15a^7b^2} = \frac{5(4)b^{4-2}}{5(3)a^{7-3}} =$$

$$\frac{4b^2}{3a^4} =$$

(45) Simplify

$$(8x+5y)(8x-5y) =$$

$$64x^2 - 40xy + 40xy - 25y^2 =$$

$$64x^2 - 25y^2 =$$

(46) Simplify

$$(5x-2y)(5x-2y) =$$

$$25x^2 - 10xy - 10xy + 4y^2 =$$

$$25x^2 - 20xy + 4y^2 =$$

(47) Simplify

$$(6x-5y)^2 =$$

$$(6x-5y)(6x-5y) =$$

$$36x^2 - 30xy - 30xy + 25y^2 =$$

$$36x^2 - 60xy + 25y^2 =$$

16.

(48) Simplify

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

$$x^2 + 3x - 1x - 3 =$$

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



(49) Factor

$$x^2 - 81 =$$

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

$$(x+9)(x-9) =$$

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

(50) Factor

$$x^2 - 25y^2 =$$

$$(x)^2 - (5y)^2 =$$

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

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

(51) Factor

$$\frac{25x^2}{9} - 64 =$$

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

$$\left(\frac{5x}{3}\right)^2 - (8)^2 =$$

$$\left(\frac{5x}{3} + 8\right)\left(\frac{5x}{3} - 8\right) =$$

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

(52) Factor

$$\frac{25x^2}{16} - \frac{9y^2}{49} =$$

$$\left(\frac{5x}{4} + \frac{3y}{7}\right)\left(\frac{5x}{4} - \frac{3y}{7}\right) =$$

$$\left(\frac{5x}{4}\right)^2 - \left(\frac{3y}{7}\right)^2 =$$

(53) Factor

$$\frac{x^2}{9} - \frac{y^2}{25} =$$

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

18.

$$\left(\frac{x}{3}\right)^2 - \left(\frac{y}{5}\right)^2 =$$

$$\left(\frac{x}{3} + \frac{y}{5}\right) \left(\frac{x}{3} - \frac{y}{5}\right) =$$

(54) Factor

$$\frac{9x^2}{16} - \frac{49}{25} =$$

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

$$\left(\frac{3x}{4}\right)^2 - \left(\frac{7}{5}\right)^2 =$$

$$\left(\frac{3x}{4} + \frac{7}{5}\right) \left(\frac{3x}{4} - \frac{7}{5}\right) =$$

(55) Factor

$$144x^2 - 25y^2 =$$

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

$$(12x)^2 - (5y)^2 =$$

$$(12x+5y)(12x-5y) =$$

(56)

Factor

$$x^2 + x - 12 =$$

$$\begin{array}{l} 1, 12 \\ 6, 2 \\ 3, 4 \end{array}$$

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

(57) Factor

$$x^2 - 10x + 16 =$$

$$\begin{array}{l} 16, 1 \\ 2, 8 \\ 4, 4 \end{array}$$

$$(x-2)(x-8) =$$

(58) Factor

$$x^2 + x - 2 =$$

$$(x-1)(x+2) =$$

2.1

19.

(59) Factor

$$x^3 - x^2 - 6x =$$

$$x(x^2 - x - 6) =$$

$$x(x+2)(x-3) =$$

6.1
2.3

(60) Factor

$$2x^2 + 9x - 5 =$$

$$(2x - 1)(x + 5) =$$

2.1 5.1

(61) Factor

$$2x^2 + 9x - 18 =$$

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

2.1

18.1
2.9
3.6

(62) Factor

$$3x^2 - 10x - 8 =$$

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

3.1

8.1
2.4

(63) Factor

$$8x^2 - 9x + 1 =$$

$$(8x - 1)(x - 1) =$$

8.1
2.4

1.1

(64) Solve
 $x^2 + x - 12 = 0$
 $(x-3)(x+4) = 0$

12.1
3.4
6.2

Let $x-3=0$ OR $x+4=0$

$x-3+3=0+3$ OR $x+4-4=0-4$
 $x=3$ OR $x=-4$

20.

(65) Solve

$x^2 - 10x = -16$
 $x^2 - 10x + 16 = -16 + 16$
 $x^2 - 10x + 16 = 0$

16.1
2.8
4.4

$(x-2)(x-8) = 0$

Let $x-2=0$ OR $x-8=0$

$x-2+2=0+2$ OR $x-8+8=0+8$
 $x=2$ OR $x=8$

(66) Solve

$x^2 - 2 = -x$
 $x^2 - 2 + x = -x + x$
 $x^2 - 2 + x = 0$

12

$x^2 + x - 2 = 0$

$(x-1)(x+2) = 0$

Let $x-1=0$ OR $x+2=0$

$x-1+1=0+1$ OR $x+2-2=0-2$
 $x=1$ OR $x=-2$

(67) Solve

$$x^2 - 6 = x$$

$$x^2 - 6 - x = x - x$$

$$x^2 - 6 - x = 0$$

$$x^2 - x - 6 = 0$$

$$(x+2)(x-3) = 0$$

Set $x+2=0$ OR $x-3=0$

$$x+2-2=0-2 \text{ OR } x-3+3=0+3$$

$$x = -2$$

$$\text{OR } x = 3$$

6.1
2.3

21.

(68) Solve

$$2x^2 + 9x - 5 = 0$$

2.1

1.5

$$(2x-1)(x+5) = 0$$

Set $2x-1=0$ OR $x+5=0$

$$2x-1+1=0+1 \text{ OR } x+5-5=0-5$$

$$2x = 1$$

$$\frac{2x}{2} = \frac{1}{2}$$

$$\text{OR } x = -5$$

$$x = \frac{1}{2}$$

(69) Solve

$$2x^2 + 9x - 18 = 0$$

2.1
6.1
2.3

$$(2x-3)(x+6) = 0$$

Set $2x-3=0$ OR $x+6=0$

$$2x-3+3=0+3 \text{ OR } x+6-6=0-6$$

$$2x = 3$$

$$\frac{2x}{2} = \frac{3}{2}$$

$$x = \frac{3}{2} \text{ OR } x = -6$$

(70)

Solve

$$3x^2 - 10x = 8$$

$$3x^2 - 10x - 8 = 8 - 8$$

$$3x^2 - 10x - 8 = 0$$

$$(3x + 2)(x - 4) = 0$$

Set $3x + 2 = 0$ OR $x - 4 = 0$

$$3x + 2 - 2 = 0 - 2 \text{ OR } x - 4 + 4 = 0 + 4$$

$$3x = -2$$

$$\frac{3x}{3} = \frac{-2}{3}$$

$$x = -\frac{2}{3}$$

OR $x = 4$



(71)

Solve

$$8x^2 = 9x - 1$$

$$8x^2 - 9x + 1 = 0$$

$$(8x - 1)(x - 1) = 0$$

Set $8x - 1 = 0$ OR $x - 1 = 0$

$$8x - 1 + 1 = 0 + 1 \text{ OR } x - 1 + 1 = 0 + 1$$

$$8x = 1$$

OR

$$x = 1$$

$$\frac{8x}{8} = \frac{1}{8}$$

$$x = \frac{1}{8}$$

(72) Factor GCF

$$15y - 3 =$$

$$\cancel{3(5y-1)} =$$

23

(73) Factor GCF

$$15x^3y - 3x^2y^2 =$$

$$\cancel{15x^3y} - \cancel{3x^2y^2} =$$

$$\cancel{3x^2y(5x - y)} =$$

(74) Factor GCF

$$6x^3 + 15x^2 + 9xy^2 =$$

$$\cancel{3x(2x^2 + 5x + 3y^2)} =$$

(75) Factor GCF

$$2x^3 - 10x^2 - 10x =$$

$$\cancel{2x(x^2 - 5x - 5)} =$$

(76) Solve

$$(x-2)^2 = 25$$

$$\sqrt{(x-2)^2} = \pm \sqrt{25}$$

$$x-2 = \pm 5$$

$$x-2 = -5 \quad \text{OR} \quad x-2 = 5$$

$$x-2+2 = -5+2 \quad \text{OR} \quad x-2+2 = 5+2$$

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

$$\text{OR} \quad \cancel{x = 7}$$

(77)

Solve

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

$$x(x) = 5(5)$$

$$x^2 = 25$$

$$\sqrt{x^2} = \pm\sqrt{25}$$

$$x = \pm 5$$

$$(x = -5) \text{ OR } (x = 5)$$

(78)

Solve

$$\frac{x}{2} = \frac{1}{x}$$

$$x(x) = 2(1)$$

$$x^2 = 2$$

$$\sqrt{x^2} = \pm\sqrt{2}$$

$$x = \pm\sqrt{2}$$

$$(x = -\sqrt{2}) \text{ OR } (x = \sqrt{2})$$

(79.)

Solve

$$\sqrt{x-2} = 4$$

$$(\sqrt{x-2})^2 = (4)^2$$

$$x-2 = 16$$

$$x-2+2 = 16+2$$

$$(x = 18)$$

24

(80) Solve

$$\sqrt{x} + 2 = 9$$

$$\sqrt{x} + 2 - 2 = 9 - 2$$

$$\sqrt{x} = 7$$

$$(\sqrt{x})^2 = (7)^2$$

$$x = 49$$



(81) Solve

$$-4x^2(x-8) = 0$$

$$\text{Set } -4x^2 = 0 \quad \text{OR} \quad x-8 = 0$$

$$\frac{-4x^2}{-4} = \frac{0}{-4} \quad \text{OR} \quad x-8+8 = 0+8$$

$$x^2 = 0$$

$$\text{OR } x = 8$$

$$\sqrt{x^2} = \sqrt{0}$$

$$x = 0$$

(82) Solve

$$2x+5y = 7$$

$$3x+2y = 5$$

$$(2x+5y = 7)(-2)$$

$$(3x+2y = 5)(5)$$

$$-4x-10y = -14$$

$$15x+10y = 25$$

$$11x = 11$$

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

$$x = 1$$

Subst

$$2x+5y = 7$$

$$2(1) + 5y = 7$$

$$2 + 5y = 7$$

$$2 + 5y - 2 = 7 - 2$$

$$5y = 5$$

$$\frac{5y}{5} = \frac{5}{5}$$

$$y = 1$$

$$(x, y)$$

$$(1, 1)$$

(83) graph

$$y = -2x - 4$$

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

$$y = 0 - 4$$

$$y = -4$$

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

$$y = -2 - 4$$

$$y = -6$$

x	y
0	-4
1	-6

26.

