

9/24/20 Pg 358-359

Start 8:51 - 9:32 PM

- 1 $x > 4$ $(x > 12) \div 3 = x > 4$
- 2 $x > 7$ $(14 < 2x) \div 2 = x > 7$
- 3 $x \leq -3$ $(2x \leq -6) \div 2 = x \leq -3$
- 4 $x \leq 36$ $x + 4 \leq 40 \rightarrow x \leq 36$
- 5 $x < -1$ $x + 3 < 2 \rightarrow x < -1$
- 6 $x \geq 5$ $9x + 3 \geq 4x + 28 \rightarrow 5x + 3 \geq 28 \rightarrow (5x + 3) \div 5 = x \geq 5$
- 7 $x > -8$ $-9x - 8 < 24 \rightarrow -4x < 32 \rightarrow -4 = x > -8$
- 8 $x > 4$ $(-7x < -8) \div -2 = x > 4$
- 9 $x < -7$ $x - 2 > 6x + 33 \rightarrow (-5x > 35) \div -5 = x < -7$
- 10 $x < 2$ $6x < 5x + 2 \rightarrow x < 2$
- 11 $x \geq 3$ $(-7x \leq -21) \div -7 = x \geq 3$
- 12 $x < 6$ $-2x + 14 > 2 \rightarrow (-2x > -12) \div 2 = x < 6$
- 13 $x > 2$ $(16x > 32) \div 16 = x > 2$
- 14 $x > -10$ $(-x < 10) \div -1 = x > -10$
- 15 $x \leq 3$ $3x - 5 \geq 17x - 32 \rightarrow -9x - 5 \geq 32 \rightarrow (9x \geq -27) \div 9 = x \leq 3$
- 16 $x < 21$ $4x - 48 < 36 \rightarrow (4x < 84) \div 4 = x < 21$
- 17 $x \geq -1$ $3x + 9 \leq 6 \rightarrow (3x \leq -3) \div 3 = x \geq -1$
- 18 $x < 3$ $4x > 24x - 60 \rightarrow (-20x > -60) \div -20 = x < 3$
- 19 $x < 7$ $4x - 8 < 2x + 6 \rightarrow (2x < 14) \div 2 = x < 7$
- 20 $x \leq 3$ $(-3x \geq -9) \div 3 = x \leq 3$
- 21 $-2 \leq x \leq 21$ $30 \geq 5x + 20 \rightarrow (10 \geq 5x) \div 5 = x \leq 2$ $6 \leq 5x + 20 \rightarrow x \geq -2$
- 22 $-20 < x < 6$ $-2x - 30 < 10 \rightarrow -2(x < 10) \div -2 = x > -10$
- 23 $6 < x < 16$ $5x - 27 > 73 \rightarrow (5x > 100) \div 5 = x > 16$
- 24 $4 \leq x \leq 9$ $(6x^2 + 24) \div 6 = x \geq 4$ $6x - 2 \leq 4x + 16 \rightarrow 2x \leq 18 \div 2 = x \leq 9$
- 25 A $4 \cdot 16 = 64$ $50 \leq 16$
- 26 D $x > -2$?

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Dg 362 - 363

Start 7:59 - 8:10

$$1 \quad C. 24 \quad 24 \div 2 = 24-12$$

$$2 \quad C. 200 \quad \textcircled{200} + 600 + 150 = 950$$

$$3 \quad C. 5 \quad \textcircled{5} + 2.5 + 7.5$$

$$4 \quad B. 82 \quad \textcircled{82} + 88 = 170$$

5 B. ?

$$6 \quad A. -3 \quad 2(9) - 18 = 0$$

$$7 \quad B. 6 \quad \textcircled{6} \frac{15}{90} + \frac{14.25}{350} = 440$$

$$8 \quad B. 20 \quad 20 + 20 + 40 + 40 = 120$$

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Py 360-361

Start 8:12 - 8:47

1	$x^2 + 6x + 8$	$=$	$x^2 + 2x + 4x + 8$	$\left \begin{array}{l} 33 \\ 2(6) + 7(6) = 30 = 0 \end{array} \right.$
2	$x^2 + 2x - 15$	$=$	$x^2 + 5x - 3x - 15$	$72 - 42 - 36 = 0$
3	$x^2 + 3x - 4$	$=$	$x^2 + 4x - 1x - 4$	
4	$x^2 - 9x + 18$	$=$	$x^2 - 3x - 6x + 18$	$34 \beta \text{ guess}$
5	$x^2 + 6x - 16$	$=$	$x^2 - 2x + 8x - 16$	
6	$2x^2 - 3x - 2$	$=$	$2x^2 - 4x + 1x - 2$	
7	$x^2 - 14 + 45$	$=$	$x^2 - 5x - 9x + 45$	
8	$3x^2 + x - 2$	$=$	$3x^2 - 2x + 3x - 2$	
9	$x^2 + 5x - 14$	$=$	$x^2 + 7x - 2x - 14$	
10	$3x^2 + 14x + 16$	$=$	$3x^2 + 6x + 8x + 16$	
11	$x^2 - x - 30$	$=$	$x^2 + 5x - 6x - 30$	
12	$x^2 - 13x + 30$	$=$	$x^2 - 3x - 10x + 30$	
13	$4x^2 + 6x + 2$	$=$	$4x^2 + 4x + 2x + 2$	
14	$x^2 + 5x - 36$	$=$	$x^2 - 4x + 9x - 36$	
15	$x^2 - 10x + 25$	$=$	$x^2 - 5x - 5x + 25$	
16	$(x+3)(x+1)$	$=$	$x^2 + 1x + 3x + 3$	
17	$(x-1)(x+5)$	$=$	$x^2 + 5x - x - 5$	
18	$(x+2)(x+6)$	$=$	$x^2 + 6x + 2x + 12$	
19	$(x+2)(x-3)$	$=$	$x^2 - 3x + 2x - 6$	
20	$(x-2)(x+7)$	$=$	$x^2 + 7x - 2x - 14$	
21	$(x-4)(x+3)$	$=$	$x^2 + 3x - 4x - 12$	
22	$(x-5)(x+7)$	$=$	$x^2 + 7x - 5x - 35$	
23	$(x-6)(x-6)$	$=$	$x^2 - 6x + 36$	
24	$(x+1)(x-7)$	$=$	$x^2 - 7x + x - 7$	
25	$(x-4)(x+8)$	$=$	$x^2 + 8x - 4x - 32$	
26	$(2x-1)(x+3)$	$=$	$2x^2 + 6x - x - 3$	
27	? $(2x-1)(x+1)$	$=$? don't know	
28	$(x+10)(x-5)$	$=$	$x^2 - 5x + 10x - 50$	
29	$(2x-1)(2x+3)$	$=$	$4x^2 + 6x - 2x - 3$	
30	$(x-7)(x+8)$	$=$	$x^2 + 8x - 7x - 56$	
31	A $16 - 4 = 20$	$=$	$25 - 5 = 20$	
32	D $2(-4)^2 + 2(-4) - 24 = 0$	$=$	$16 \cdot 2 = 32 + -16 = 24 - 24 = 0$	

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Start 7:31 - 7:58

$$1 \quad 1800 \text{ Sq. ft} \quad h + (2h - 1000) = 4400 \\ h = 1800$$

$$2 \quad 10 \text{ Dimes} \quad .10x + .25(24-x) = 4.50 \\ x = 10$$

$$3 \quad 24 \text{ Games} \quad 2\left(\frac{3}{2}w = 36\right) = 3w = 72$$

$$4 \quad 54 \quad x + (x+2) + (x+4) + (x+6) \\ 4x + 12 = 212 \\ 50 + 52 + 54 + 56 = 212$$

$$5 \quad 8 \text{ shirts} \quad (43-8) + 4(8) = 62 \\ 30 + 32 = 62$$

$$s = 8$$

$$6 \quad 59? \quad x + (x+1) + (x+2) = 180 \\ 59 + 60 + 61 = 180$$

$$7 \quad 1160 \quad r + r\frac{1}{2} = 1650 \\ r = 100 \\ 1100 + 590 = 1650$$

$$8 \quad 28 \text{ hours} \quad h + \frac{1}{4}h = 35 \\ \left(\frac{5}{4}h = 35\right) \cdot 4 = 5h = 140 \\ 140 \div 5 = 28$$

$$9 \quad C.84 \quad 3w + 4 = 226 \\ 3w = 222 \\ w = 74 \quad 74 + 10 = 84$$

$$10 \quad B.12 \quad 64 - 24 = 48 \\ 64 = 72 \quad 72 \div 6 = 12$$

$$11 \quad B.6 \quad 2x = 12 \\ x = 6$$

9/24/20 Pg 364-365

Start 7:02 pm - 7:31 pm

(-4, 5)

2 (3, 6)

3 (0, -3)

4 (6, -7)

5 (-5, 0)

6 (-6, -4)

7 (2, 0)

8 (7, -2)

9 on page

10 on page

11 D

12 A

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Start 4:30 - 5:52 P2

P1

$$1 \quad x = 9 \quad 7 \cdot 9 = 63 \quad | \quad X = 50 \quad | \quad 150 - 20 = 130$$

$$2 \quad m = 28 \quad 23 + 29 = 51 \quad | \quad Y = 2 \quad | \quad -4 \cdot 9 = -12 \quad | \quad 6 + 8 = -10$$

$$3 \quad y = -1 \quad -1 - 17 = -13 \quad | \quad m = 2 \quad | \quad 12 = 28 - 16$$

$$4 \quad x = -64 \quad -64 \div 4 = -16 \quad | \quad n = 4 \quad | \quad -8 + 5 - 24 = -27$$

$$5 \quad a = 125 \quad 5 \cdot 125 = 625 \quad | \quad y = 6 \quad | \quad 30 + 3(8) = 54$$

$$6 \quad y = -13 \quad -13 - 17 = -30 \quad | \quad z = 2 \quad | \quad 17 - 8 + 4 = 13$$

$$7 \quad x = 27 \quad 27 + 6 = 33 \quad | \quad m = 3 \quad | \quad 6(3) - 4 = -(y+11)$$

$$8 \quad c = 7 \quad 4 \cdot 7 = 28 \quad | \quad n = 4 \quad | \quad 4 + 7 + 6(7) = 35$$

$$9 \quad x = -4 \quad 12 \div 4 = -3 \quad | \quad p = 7 \quad | \quad 35 - 2 = 42 - 9$$

$$10 \quad b = -7 \quad -7 + 33 = 26 \quad | \quad s = -2 \quad | \quad 3(14) + (-2 \cdot -4) = 50$$

$$11 \quad x = 31 \quad 31 \cdot 3 = 93 \quad | \quad X = 6 \quad | \quad \frac{19}{2} = 5 \quad 5 + 14 = 19$$

$$12 \quad g = -8 \quad -8 + 16 = 8 \quad | \quad r = -5 \quad | \quad (3 \cdot -2) = -(10 + 4)$$

$$13 \quad x = 108 \quad 36 \cdot 3 = 108 \quad | \quad y = 11 \quad | \quad 55 = 23 + 22 + 11$$

$$14 \quad t = 38 \quad 39 + 14 = 53 \quad | \quad b = 4 \quad | \quad 5(5) + 3(4) + 1 = 78$$

$$15 \quad x = 48 \quad 6 \cdot 8 = 48 \quad | \quad 5 \quad X = -1 \quad | \quad -4 = -2 - 2$$

$$16 \quad y = -3 \quad 16 \cdot -3 = -48 \quad | \quad h = 20 \quad | \quad 60 \div 2 = 30 \quad | \quad 1 \cdot 20 = 60$$

$$17 \quad r = 110 \quad 110 - 35 = 75 \quad | \quad X = 9 \quad | \quad 4(c_1) + 8 = 92$$

$$18 \quad x = 5 \quad 5 \cdot 24 = 120 \quad | \quad Z = 4 \quad | \quad -5(-10) = 44$$

$$19 \quad y = -9 \quad 5 \cdot -9 = -45 \quad | \quad b = 3 \quad | \quad 10 - 3(3) + 3 = -1 + 5$$

$$20 \quad d = -25 \quad -25 + 45 = 20 \quad | \quad n = 7 \quad | \quad 35 + 8 - 7 = 66$$

$$21 \quad x = 4 \quad 4 \cdot 4 = 16 \quad | \quad D \quad | \quad 3x + 9 = 6x - 15$$

$$22 \quad y = -6 \quad -4 \cdot -6 = 24 \quad | \quad D \quad | \quad 3(125) + 125 = 500$$

$$23 \quad h = 26 \quad 26 - 7 = 19 \quad | \quad A \quad | \quad 4x - 7 = \frac{x}{2} + 15$$

$$24 \quad k = 66 \quad 66 \div 11 = 6 \quad | \quad 24 \quad | \quad 3x + 12 = 174$$

$$25 \quad m = -10 \quad -10 + 2 + 4 = 15 \quad | \quad A \quad | \quad 174 - 12 = 162$$

$$26 \quad y = 9 \quad 5 \cdot 9 = 45 \quad | \quad 162 \div 3 = 54$$

$$27 \quad w = -28 \quad 14 - (-2 \cdot 8) = 42$$

$$28 \quad y = 77 \quad 18 \cdot 4 = 72$$

$$29 \quad C \quad x + 36 = 77$$

$$30 \quad C \quad 19 \cdot 2 = 38$$

$$31 \quad C \quad 32 \cdot 4 = 128$$

$$32 \quad D \quad 12 \cdot 5 = 60 \quad | \quad 33 \quad B$$