Assignment

Introduction, Solving Equations ANSWER KEY

See below for the answers on PAGE 2.

1.
$$\frac{x+5}{4} - 10 = 8$$

2.
$$8x + 10 = -32 + x$$

3.
$$-\frac{3x}{2} = 9 - 2x$$

4.
$$\frac{5}{3}x + 8 = 12$$

5.
$$\frac{3(x+12)}{2} = 108$$

6.
$$7x - 20 = 3x - 32$$

7.
$$\frac{36}{x} + 12 = 8$$

8.
$$2x = 36 - x$$

9.
$$2(3x-5)-12=32$$

10.
$$\frac{-9}{2}x = -9 - 5x$$

Answers:

1.
$$x=67$$
 $x+5=10=8$ $x+5=72$ $y=67$ $y=67$

3.
$$x=18$$

2. $-3x = (9-2x)\cdot 2$
 $-3x = 18-4x$
 $+4x$
 $+4x$
 $+4x$

5.
$$x=60$$

2. $3(x+12) = 108.2$ $7 3x+36 = 216$
 $3(x+12) = 216$ $8x = 180$ $x = 60$

8.
$$X=12$$

$$2 \times = 36 + X$$

$$4 \times = 36 + X$$

$$5 \times = 36 + X$$

$$2 \times = 36 + X$$

$$2 \times = 36 + X$$

$$3 \times = 12$$

$$2 \times = 36 + X$$

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$$4 \times$$

10. X=-18

-9x=-9-5x +5x 2-1x=-9.2 |X=-18]