W-A1 Algebra 1 10/27

$x + 9 = 12$

$-9 \quad -9$

$\boxed{x = 3}$

$x - 7 = 20$

$+7 \quad +7$

$\boxed{x = 27}$

$\frac{6x}{6} = \frac{42}{6}$

$x = 7$

$12\left(\frac{x}{12}\right) = (4)12$

$\boxed{x = 48}$

1.) $x - 3 = 18$

$+3 \quad +3$

$\boxed{x = 21}$

2.) $\left(\frac{x}{5}\right)^5 = (-6)^5$

$\boxed{x = -30}$

3.) $x + 8 = 23$

$-8 \quad -8$

$\boxed{x = 15}$

4.) $\frac{8x}{8} = \frac{56}{8}$

$\boxed{x = 7}$

$$3x + 2 = 23$$
$$-2 \quad -2$$
$$\frac{3x}{3} = \frac{21}{3}$$
$$\boxed{x = 7}$$

$$\frac{x}{8} - 4 = 2$$
$$+4 \quad +4$$
$$8\left(\frac{x}{8}\right) = (6)8$$
$$\boxed{x = 48}$$

1.) $4x - 8 = 24$
$+8 \quad +8$
$$\frac{4x}{4} = \frac{32}{4}$$
$$\boxed{x = 8}$$

2.) $\frac{x}{3} + 8 = 6$
$-8 \quad -8$
$$\left(\frac{x}{3}\right)^3 = (-2)^3$$
$$\boxed{x = -6}$$

3.) $\frac{x}{2} \begin{pmatrix} - \\ + \end{pmatrix} 12 = 8$
$+12 \quad +12$
$$2\left(\frac{x}{2}\right) = (20)2$$
$$\boxed{x = 40}$$

4.) $9x + 3 = 66$
$-3 \quad -3$
$$\frac{9x}{9} = \frac{63}{9}$$
$$\boxed{x = 7}$$

$$\frac{F}{AR} = \frac{ART}{AR}$$

$$T = \frac{F}{AR}$$

$$\frac{PV}{nT} = \frac{nRT}{nT}$$

$$R = \frac{PV}{nT}$$

1.) $x + 4 = 3$

$-4 \quad -4$

$\boxed{x = -1}$

2.) $8x - 2 = 46$

$+2 \quad +2$

$\frac{8x}{8} = \frac{48}{8}$

$x = 6$

3.) $\frac{x}{4} + 5 = -3$

$-5 \quad -5$

$4\left(\frac{x}{4}\right) = (-8)4$ $\boxed{x = -32}$

4.) $9\left(\frac{x}{9}\right) = (8)9$ $\boxed{x = 72}$

5.) $\frac{x}{6} - 1 = 12$

$+1 \quad +1$

$6\left(\frac{x}{6}\right) = (13)6$ $\boxed{x = 78}$

6.) $\blacktriangle\left(\frac{\square + \bigcirc}{\blacktriangle}\right) = \left(\bigstar\right)\blacktriangle$

Find $\bigcirc$

$\square + \bigcirc = \bigstar * \blacktriangle$

$-\square \qquad\qquad -\square$

$\boxed{\bigcirc = \bigstar * \blacktriangle - \square}$