

Solving Equations
Geometry

(KEY)

Solve, check, and graph the following equations.

1) $x + 9 = 16$

$$\underline{-9 \quad -9}$$

$$x = 7$$

2) $t - 12 = 11$

$$\underline{+12 \quad +12}$$

$$t = 23$$

3) $4w = 36$

$$\underline{\frac{4w}{4} = \frac{36}{4}}$$

$$w = 9$$

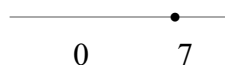
4) $\frac{d}{6} = 8$

$$\underline{(6)d = 8(6)}$$

$$d = 48$$

$$\checkmark(7) + 9 = 16$$

$$16 = 16\checkmark$$



$$\checkmark(23) - 12 = 11$$

$$11 = 11\checkmark$$



$$\checkmark 4(9) = 36$$

$$36 = 36\checkmark$$



$$\checkmark \frac{(48)}{6} = 8$$

$$8 = 8\checkmark$$



5) $22 = k + 14$

$$8 = k$$

6) $26 = v - 7$

$$33 = v$$

7) $72 = 9m$

$$8 = m$$

8) $39 = \frac{x}{3}$

$$117 = x$$

9) $7 + c = -11$

$$\underline{-7 \quad -7}$$

$$c = -18$$

$$\checkmark 7 + (-18) = -11$$

$$-11 = -11\checkmark$$



10) $-5 + t = -16$

$$\underline{+5 \quad +5}$$

$$t = -11$$

$$\checkmark -5 + (-11) = -16$$

$$-16 = -16\checkmark$$



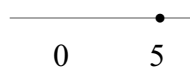
11) $-6p = -30$

$$\underline{\frac{-6p}{-6} = \frac{-30}{-6}}$$

$$p = 5$$

$$\checkmark -6(5) = -30$$

$$-30 = -30\checkmark$$



12) $\frac{k}{-4} = 11$

$$\underline{(-4)k = 11(-4)}$$

$$k = -44$$

$$\checkmark \frac{(-44)}{-4} = 11$$

$$11 = 11\checkmark$$

