

Algebra II
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2)	$\{ -2 \}$	20	$\{ 2 \}$	38	$h = \frac{P-2W}{2}$
4)	$\{ 12, 8 \}$	22	$\{ 0 \}$	40	$y = \frac{5d}{10}$
6)	$\{ 3 \}$	24	$\{ -8 \}$	42	$F = \frac{9C+160}{5}$
8)	$\{ 9 \}$	26	Yes ; Yes	44	$h = \frac{9}{\pi}$
10	\emptyset	28	No ; Yes	46	$g = 9.8$
12	$\{ -7 \}$	30	No ; Yes	48	$h = 3$
14	$\{ 5 \}$	32	$h = \frac{2A}{b}$	50	$a = 2$
16	$\{ 4.5 \}$	34	$r = \frac{C}{2\pi}$		
18	$\{ -8 \}$	36	$y = \frac{C-ax}{b}$		

$$12) \frac{1}{3}(s-2) = s+4$$

$$3\left(\frac{1}{3}s - \frac{2}{3}\right) = s+4$$

$$s-2 = 3s+12$$

$$s-s-2 = 3s-s+12$$

$$-2 = 2s+12$$

$$-2-12 = 2s+12-12$$

$$-14 = 2s$$

$$-7 = s$$

$$\{ -7 \}$$

$$14) 1.6(2t-1) = 14.4$$

$$3.2t - 1.6 = 14.4$$

$$\{ 5 \} \quad 3.2t = 16$$

$$t = 5$$

$$18) \frac{2}{5}(x-2) = x+4$$

$$5\left(\frac{2}{5}x - \frac{4}{5}\right) = x+4$$

$$24) \frac{3y-2(y-1)}{6} = -1$$

$$\frac{3y-2y+2}{6} = -1$$

$$6\left(\frac{y+2}{6} = -1\right)$$

$$y+2 = -6$$

$$y = -8$$

$$\{ -8 \}$$

$$42) C = \frac{5}{9}(F-32) ; F$$

$$9\left(C = \frac{5}{9}F - \frac{160}{9}\right)$$

$$9C = 5F - 160$$

$$9C + 160 = 5F$$

$$\frac{9C+160}{5} = F$$

$$48) 80\pi = 2\pi(5(s+h))$$

$$\frac{80\pi}{10\pi} = \frac{10\pi(5(s+h))}{10\pi}$$

$$8 = 5(s+h)$$

$$3 = h$$

$$44) \quad 48 = \frac{1}{3}\pi(4)^2 h$$

$$3[48 = \frac{16}{3}\pi h]$$

$$\frac{144}{16\pi} = \frac{16\pi h}{16\pi}$$

$$\frac{9}{\pi} = h$$