

Algebra I
pg 351

2.)	No Yes	14.)	$\{(0,7)\}$ $\{(1,2)\}$	26.)	$\{(1,6) (3,2)\}$ $\{(2,3) (6,1)\}$
4.)	Yes No	16.)	$\{(0,2)\}$ $\{(5,0)\}$	28.)	$\{(1,7) (7,1)\}$
6.)	No Yes	18.)	$\{(0,3) (6,1)\}$ $\{(3,2) (9,0)\}$	30.)	$\{(1,1)\}$
8.)	No Yes	20.)	$\{(0,7) (2,1)\}$ $\{(1,4)\}$	32.)	$\{(0,2) (2,6)\}$ $\{(1,3)\}$
10.)	No No	22.)	$\{(1,12) (3,4) (6,2)\}$ $\{(2,6) (4,3) (12,1)\}$	34.)	$\{(1,5) (3,1)\}$ $\{(2,2) (6,0)\}$
12.)	Yes Yes	24.)	$\{(1,6) (3,2)\}$ $\{(2,3) (6,1)\}$	36.)	$\{(1,1) (3,3) (6,1)\}$ $\{(2,5) (4,2) (12,0)\}$

$$8) 3m - 2n = 6$$

$$\left(\frac{5}{3}, -\frac{1}{2}\right)$$

$$3\left(\frac{5}{3}\right) - 2\left(-\frac{1}{2}\right) = 6$$

$$5 + 1 = 6$$

$$6 = 6$$

Yes

$$12) s^3 = 4s^2 + t$$

$$(-2, -\frac{1}{2}) \left(0, \frac{2}{3}\right)$$

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

$$-8 = 4(4) \left(-\frac{1}{2}\right)$$

$$-8 = 16 \left(-\frac{1}{2}\right)$$

$$-8 = -8$$

Yes

$$28) 4xy + 8 = 36$$

$$4xy + 8 - 8 = 36 - 8$$

$$\frac{4xy}{4} = \frac{28}{4}$$

$$xy = 7$$

$$\{(1,7)\}$$

$$\{(7,1)\}$$

$$32) y(3-x) = 6$$

$$\{(0, 2)\}$$

$$\{(1, 3)\}$$

$$\{(2, 6)\}$$

$$34) \frac{xy}{x} = \frac{6-x}{x}$$

$$y = \frac{6-x}{x}$$

$$\frac{6-1}{1}$$

$$\{(1,5)\}$$

$$\{(2,2)\}$$

$$\{(3,1)\}$$

$$\{(6,0)\}$$

$$36) (xy+x) = 12$$

$$x(y+1) = 12$$

$$\{(1,11)\}$$

$$\{(2,5)\}$$

$$\{(3,3)\}$$

$$\{(4,2)\}$$

$$\{(6,1)\}$$

$$\{(12,0)\}$$