

SOLUTIONS FOR MONDAY ACTIVITY

<p>No. 1</p> <p>a) $2x+5=x+8$ $2x+5-5=x+8-5$ $2x+0=x+3$ $2x=x+3$ $2x-x=x-x+3$ $x=0+3$ $x=3$</p>	<p>b) $-5+2q=4q+7$ $-5+5+2q=4q+7+5$ $0+2q=4q+12$ $2q=4q+12$ $2q-4q=4q-4q+12$ $-2q=0+12$ $\frac{-2q}{-2}=\frac{12}{-2}-6$ $-q, -q,$ $q=-6.$</p>
<p>b) $2y-3=y+2$ $2y-3+3=y+2-3$ $2y-0=y-1$ $2y=y-1$ $2y-y=y-y-1$ $y=0-1$ $y=-1$</p>	

No. 2

$$a) 2(x+4) = 12$$

$$2x + 2 \times 4 = 12$$

$$2x + 8 = 12$$

$$2x + 8 - 8 = 12 - 8$$

$$2x + 0 = 4$$

$$\frac{2x}{2} = \frac{4}{2}$$

$$x = 2$$

b)

$$3(y+4) = 3$$

$$3(y+4) = 3$$

$$3xy + 3 \times 4 = 3$$

$$3y + 12 = 3$$

$$3y + 12 - 12 = 3 - 12$$

$$\frac{3y}{3} + 0 = \frac{-9}{3}$$

$$y = -3$$

c

$$4(a-2) = 8$$

$$4 \times a - 4 \times 2 = 8$$

$$4a - 8 = 8$$

$$4a - 8 + 8 = 8 + 8$$

$$4a - 0 = 16$$

$$\frac{4a}{4} = \frac{16}{4}$$

$$a = 4$$