

## Solving Equations with Multiplying and Dividing

Solve using the opposite operation.

*solve for x:*

$$2x = 6$$

*divide each side by 2:*

$$\frac{2x}{2} = \frac{6}{2}$$

$$x = 3$$

a)  $4x = 12$

b)  $-2x = 12$

c)  $-3y = -9$

*solve for x:*

$$\frac{3x}{2} = 4$$

*multiply each side by 2:*

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

$$x = 8$$

d)  $\frac{x}{2} = -5$

e)  $\frac{x}{3} = 4$

f)  $\frac{a}{5} = -2$