

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) $-3x = -18$

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