

### Solving Three-Step Equations

Solve:

- (a)  $2(x + 3) = 16$    (b)  $3(x - 1) = 9$   
(c)  $20 = 5(x + 1)$    (d)  $2(3 + x) = 8$   
(e)  $3(x - 4) = 18$    (f)  $5(x - 0.5) = 15$   
(g)  $2(x + 6) = -2$    (h)  $4(x - 1) = 6$   
(i)  $7 = 2(x - 5)$    (j)  $-8(x + 4) = 16$

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Solve:

- (a)  $\frac{2x+3}{3} = 5$    (b)  $\frac{3x-2}{7} = 1$   
(c)  $6 = \frac{4x+2}{3}$    (d)  $\frac{5+2x}{6} = 2$   
(e)  $\frac{3x-6}{5} = 1.5$    (f)  $\frac{5x-6}{4} = -3$   
(g)  $1 = \frac{4x-2}{3}$    (h)  $\frac{14+3x}{5} = 2$   
(i)  $\frac{2x-9}{3} = \frac{1}{2}$    (j)  $4.8 = \frac{2x-1}{3}$

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Solve:

- (a)  $\frac{3x}{2} + 1 = 10$    (b)  $\frac{5x}{6} - 2 = 3$   
(c)  $2 + \frac{3x}{4} = 8$    (d)  $\frac{3x}{5} + 1.2 = 4.8$   
(e)  $\frac{2x}{3} + 5 = 1$    (f)  $\frac{2x}{5} - 4 = 0$   
(g)  $5 = \frac{2x}{9} - 7$    (h)  $\frac{5x}{2} + 5 = 1.5$   
(i)  $\frac{1}{4} + \frac{2x}{5} = \frac{3}{4}$    (j)  $2 + \frac{2x}{3} = -1$

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Solve:

- (a)  $5(4 + x) = 18$    (b)  $\frac{5x}{4} + 8 = 7$   
(c)  $\frac{3-2x}{7} = 3$    (d)  $0 = 6(x - 4)$   
(e)  $1 = \frac{0.5x-4}{5}$    (f)  $2(x + 3) = -1$   
(g)  $50 = 4(x - 7)$    (h)  $0.2 = \frac{2x}{4} - 6.3$

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