

Classwork: Solve each equation or formula for the variable specified.

1. $-3x + b = 6x$, for x .

2. $\frac{y + a}{3} = c$, for y .

3. $v = 4 + at$, for a .

4. $I = prt$, for r .

5. $4x + b = 2x + c$, for x .

6. $4b - 5 = -t$, for b .

7. $c = \frac{3}{4}y + b$, for y .

8. $\frac{5x + y}{a} = 2$, for a .

9. $3x - 4y = 7$, for y .

10. $H = (0.24)I^2Rt$, for R .

1. $8m + 3 = 5m + 15$

2. $\frac{2}{3}t - 7 = 5 - \frac{2}{3}t$

3. $\frac{3}{4}x + \frac{1}{2} = \frac{1}{3}x - \frac{1}{4}$

4. $4(x + 3) - 5 = 7(x - 1) + 9$

5. $7 + 2(x + 1) = 2x + 9$

6. $2(4x - 3) - 8 = 4 + 2x$

7. $-3(4x + 3) + 4(6x + 1) = 43$

8. $\frac{7}{b + 5} = \frac{10}{5}$

9. $\frac{5}{r - 9} = \frac{8}{r + 5}$

10. $\frac{x - 3}{x} = \frac{9}{10}$