

**Directions: Pick the best solution that solves each equation for the indicated variable.**

1)  $ka = vw$ , for  $a$

a)  $a = \frac{-v-w}{k}$

b)  $a = kv + kw$

c)  $a = \frac{k}{v+w}$

d)  $a = \frac{vw}{k}$

2)  $\frac{x}{m} = \frac{n}{p}$ , solve for  $x$ .

a)  $x = -\frac{mn}{p}$

b)  $x = \frac{p}{mn}$

c)  $x = \frac{mn}{p}$

d)  $x = -mn + p$

**Directions: Solve each equation for the indicated variable.**

3)  $g = a - c + b$ , for  $a$

4)  $g = y + \frac{c}{x}$ , for  $x$

5)  $-4x - 3k = -2$ , for  $x$

6)  $4x - c = -3$ , for  $x$ .

7)  $d = rt$ , for  $r$

8)  $u = x - k$ , for  $x$ .

9)  $5x - 3y = 12$ , for  $y$

10)  $2x - 4y = 10$ , for  $x$ .

11)  $A = \frac{1}{2}h(x + y)$ , for  $y$ .

12)  $C = \frac{5}{9}(F - 32)$ , for  $F$ .

## 2.5 Rearranging Formulas

## CA Solutions

1)  $D$

2)  $C$

3)  $a = g + c - b$

4)  $x = \frac{c}{g-y}$

5)  $x = \frac{-3k+2}{4}$

6)  $x = \frac{c-3}{4}$

7)  $r = \frac{d}{t}$

8)  $x = u + k$

9)  $y = \frac{5}{3}x - 4$

10)  $x = 2y + 5$

11)  $y = \frac{2A}{h} - x$

12)  $F = \frac{9}{5}C + 32$