

## Literal Equations

Solve each equation for the indicated variable.

1)  $x + k = w - v$ , for  $x$

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

3)  $ak = v - w$ , for  $a$

4)  $u = \frac{k}{ab}$ , for  $a$

5)  $z = b - am$ , for  $a$

6)  $x + k = v + w$ , for  $x$

7)  $x - m = p - n$ , for  $x$

8)  $a - m = n + p$ , for  $a$

9)  $a + m = n + p$ , for  $a$

10)  $u = ykx$ , for  $x$

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

12)  $ca = \frac{d}{r}$ , for  $a$

13)  $mx = p - n$ , for  $x$

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

15)  $ac = r - d$ , for  $a$

16)  $kx = w + v$ , for  $x$

$$17) u = \frac{x + y}{kx}, \text{ for } x$$

$$18) z = mx + yx, \text{ for } x$$

$$19) z = ma + ba, \text{ for } a$$

$$20) u + kx = yx, \text{ for } x$$

$$21) uk = \frac{a + b}{a}, \text{ for } a$$

$$22) gx = \frac{x + y}{c}, \text{ for } x$$

$$23) z + mx = yx, \text{ for } x$$

$$24) ga = \frac{a + b}{c}, \text{ for } a$$

$$25) z = \frac{x + y}{mx}, \text{ for } x$$

$$26) g + ca = ba, \text{ for } a$$

$$27) u + ka = ba, \text{ for } a$$

$$28) u + kx = yx, \text{ for } x$$

$$29) g = ca + ba, \text{ for } a$$

$$30) z = \frac{x + y}{mx}, \text{ for } x$$

$$31) u + kx = yx, \text{ for } x$$

$$32) u = kx + yx, \text{ for } x$$

$$33) x + m = pn + yx, \text{ for } x$$

$$34) z = am + an + ap, \text{ for } a$$

$$35) ca = r - d + ba, \text{ for } a$$

$$36) a - k = bawv, \text{ for } a$$