

**Solving Literal Equations**  
Unit 2: Equations and Inequalities

Solve each equation for the indicated variable:

1. $u = b + k - a$ , for $a$	2. $z = am - b$ , for $a$
3. $kx = w - v$ , for $x$	4. $u = \frac{ab}{k}$ , for $a$
5. $x - c = d - r$ , for $x$	6. $\frac{k}{x} = wv$ , for $x$
7. $\frac{m}{a} = n - p$ , for $a$	8. $u = -y + \frac{k}{x}$ , for $x$
9. $am = n + p$ , for $a$	10. $x - c = r + d$ , for $x$

$$11. \frac{m}{x} = n + p, \text{ for } x$$

$$12. a + k = w + v, \text{ for } a$$

$$13. a + w = v, \text{ for } a$$

$$14. k - a = v + w, \text{ for } a$$

$$15. xm = p + n, \text{ for } x$$

$$16. g = y + \frac{c}{x}, \text{ for } x$$

$$17. a - c = r + d, \text{ for } a$$

$$18. a - k = v - w, \text{ for } a$$

$$19. ak = \frac{v}{w}, \text{ for } a$$

$$20. \frac{a}{c} = \frac{d}{r}, \text{ for } r$$