

Literal Equations HW-2

Solve each equation for the indicated variable.

1) $a + c = d + r$, for a

2) $xm = p - n$, for x

3) $z = x + m + y$, for x

4) $ca = dr$, for a

5) $c - x = d - r$, for x

6) $g = x + c$, for x

7) $z = \frac{x}{m}$, for x

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

9) $z = am$, for a

10) $z = m - x$, for x

Solve each proportion.

$$11) \frac{2}{8} = \frac{3}{n}$$

$$12) \frac{2}{3} = \frac{3}{n}$$

$$13) \frac{8}{5} = \frac{3}{n-5}$$

$$14) \frac{6}{n} = \frac{2}{n+10}$$

$$15) \frac{5}{b-1} = \frac{6}{b+9}$$

Solve each equation.

$$16) -3 - 7(4n - 1) = -108$$

$$17) 5(b + 1) = 1 + 3b$$

$$18) -3x = 2 - 2x$$

$$19) 5n + 4n = 0$$

$$20) 65 = 8(6n + 8) - (-1 + 7n)$$