

Literal Equations - NOTES

Solve each equation for the indicated variable.

1)  $z = x + m$ , for  $x$   
 ~~$-m$~~   ~~$-m$~~

$$z - m = x$$

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

$$zm = x$$

3)  $z = \frac{xm}{m}$ , for  $x$   
 ~~$m$~~   ~~$m$~~

$$\frac{z}{m} = x$$

4)  $u = a + k$ , for  $a$   
 ~~$-k$~~   ~~$-k$~~

$$u - k = a$$

5)  $g = x - c$ , for  $x$   
 ~~$+c$~~   ~~$+c$~~

$$g + c = x$$

6)  $z = m - a$ , for  $a$   
 ~~$-m$~~   ~~$-m$~~

$$z - m = -a$$

$$-z + m = a$$

7)  $\frac{ma}{m} = \frac{pn}{m}$ , for  $a$   
 ~~$m$~~   ~~$m$~~

$$a = \frac{pn}{m}$$

8)  $k + x = v + w$ , for  $x$   
 ~~$-k$~~   ~~$-k$~~

$$x = v + w - k$$

9)  $x + k = w - v$ , for  $x$   
 ~~$-k$~~   ~~$-k$~~

$$x = w - v - k$$

10)  $\frac{ak}{k} = \frac{v+w}{k}$ , for  $a$   
 ~~$k$~~   ~~$k$~~

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

11)  $\frac{xm}{m} = \frac{n-p}{m}$ , for  $x$   
 ~~$m$~~   ~~$m$~~

$$x = \frac{n-p}{m}$$

12)  $a + k = v + w$ , for  $a$   
 ~~$-k$~~   ~~$-k$~~

$$a = v + w - k$$