

### 3.4 – “Solving Equations with Literal Coefficients”

When we have equations that have more than one variable in it, we can use our rules for solving equations to solve for the indicated variable.

Ex. 1) Solve for the indicated variable.

a)  $A = lw$ ; solve for  $w$ .

b)  $I = Prt$ ; solve for  $P$ .

c)  $ax - b = c$ ; solve for  $x$ .

d)  $3x - y = 4$ ; solve for  $y$ .

e)  $P = 2(l + w)$ ; solve for  $w$ .

f)  $A = \frac{1}{2}bh$ ; solve for  $h$ .

g)  $A = \frac{h}{2}(a + b)$ ; solve for  $a$