**1-4 Practice -** ex 1 and 2Literal Equations and Formulas

**1.** For each literal equation, fill in the blanks to describe the steps you need to
solve for the given variable.

**a.** Solve *A* = *bh* for *b*.

  = 

 *b* = 

 To solve for *b*, divide each side
of the equation by \_\_\_\_\_.

**b.** Solve *P* = 2*l* + 2*w* for *l*.

 *P* − 2*w* = 2*l* + 2*w* − 2*w*

  = 

  = *l*

 To solve for *l*, first subtract \_\_\_\_\_ from each side of the equation and then divide each side by \_\_\_\_\_.

**2.** Place an X next to the error made when solving the literal equation *ky* + 3*x* = 8
for *y*. What is the correct solution?

 *ky* + 3*x* = 8

*ky* + 3*x* − 3*x* = 8 − 3*x*

  = 

 *y* =  − 3x

**Rewrite each equation to solve for *m*.**

**3.** *m* + 3*n* = 7 **4.** −5*n* = 4*m* + 8 **5.** 10*m* + 6*n* = 12

**Rewrite each equation to solve for *x.***

**6.** *fx* − *g* = *h* **7.** *d* = *f* + *fx* **8.** −3(*x* + *n*) = *x* **9.** *m* = 

**1-4 Practice -** ex 1 and 2Literal Equations and Formulas

**1.** For each literal equation, fill in the blanks to describe the steps you need to
solve for the given variable.

**a.** Solve *A* = *bh* for *b*.

  = 

 *b* = 

 To solve for *b*, divide each side
of the equation by \_\_\_\_\_.

**b.** Solve *P* = 2*l* + 2*w* for *l*.

 *P* − 2*w* = 2*l* + 2*w* − 2*w*

  = 

  = *l*

 To solve for *l*, first subtract \_\_\_\_\_ from each side of the equation and then divide each side by \_\_\_\_\_.

**2.** Place an X next to the error made when solving the literal equation *ky* + 3*x* = 8
for *y*. What is the correct solution?

 *ky* + 3*x* = 8

*ky* + 3*x* − 3*x* = 8 − 3*x*

  = 

 *y* =  − 3x

**Rewrite each equation to solve for *m*.**

**3.** *m* + 3*n* = 7 **4.** −5*n* = 4*m* + 8 **5.** 10*m* + 6*n* = 12

**Rewrite each equation to solve for *x.***

**6.** *fx* − *g* = *h* **7.** *d* = *f* + *fx* **8.** −3(*x* + *n*) = *x* **9.** *m* = 