

Name: _____

Date: _____

Learning Goal 6.1	I can solve equations.
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Example Solve the following equations.

B
E
D
M
A
S

$$-112 = 9 - 11f$$

$$\begin{array}{r} -9 \\ -9 \end{array}$$

$$(-121 = 0 - 11f)$$

$$\frac{-121}{-11} = \frac{-11f}{-11}$$

$$11 = f$$

f = 11

$$-15 - 8g = 17$$

$$\begin{array}{r} +15 \\ +15 \end{array}$$

$$\frac{-8g}{-8} = \frac{22}{-8}$$

$$g = \frac{-22}{8} \div 2$$

$$g = \frac{-11}{4}$$

$$5h - (-80) = 170$$

$$\begin{array}{r} + \\ -80 \\ -80 \end{array}$$

$$5h + 80 = 170$$

$$\frac{5h}{5} = \frac{90}{5}$$

$$h = 18$$

$$125 = -22 + (-7j)$$

$$\begin{array}{r} - \\ +22 \\ +22 \end{array}$$

$$125 = -22 - 7j$$

$$\frac{147}{-7} = \frac{-7j}{-7}$$

$$-21 = j$$

$$j = -21$$

B
E
D
M
A
S

$$-9k - (-36) = -153$$

$$\begin{array}{r} + \\ -36 \\ -36 \end{array}$$

$$-9k + 36 = -153$$

$$\frac{-9k}{-9} = \frac{-189}{-9}$$

$$k = 21$$

$$-112 - \frac{m}{2} = -496$$

$$\begin{array}{r} +112 \\ +112 \end{array}$$

$$2 \times \left(-\frac{m}{2} \right) = (-384) \times 2$$

$$-1 \times (-m) = (-768) \times -1$$

$$m = 768$$

$$-\frac{3x}{2} + (-63) = -282$$

$$\begin{array}{r} - \\ +63 \\ +63 \end{array}$$

$$\frac{-3x}{2} - 63 = -282$$

$$2 \times \left(-\frac{3x}{2} \right) = (-219) \times 2$$

$$\frac{-3x}{-3} = \frac{-438}{-3}$$

$$x = 146$$

$$+3 - \frac{5v}{9} = -2$$

$$\begin{array}{r} -3 \\ -3 \end{array}$$

$$\left(-\frac{5v}{9} \right) \div -5 = (-5) \div -5$$

$$9 \times \left(\frac{v}{9} \right) = (1) \times 9$$

$$v = 9$$

$$-112 - \frac{m}{2} = -496$$

$$\begin{array}{r} +112 \\ +112 \end{array}$$

$$-2 \left(-\frac{m}{2} \right) = (-384) \times -2$$