

Find the sum.

$$8) \begin{bmatrix} 1.2 & -6.8 \\ 0.4 & 0 \\ 2.3 & -8 \end{bmatrix} + \begin{bmatrix} 2.5 & 3.6 \\ -2.7 & -0.1 \\ 2.4 & -7.3 \end{bmatrix} = \begin{bmatrix} 3.7 & -3.2 \\ -2.3 & -0.1 \\ 4.7 & -15.3 \end{bmatrix}$$

Find the difference.

$$9) \begin{bmatrix} -2 & 13 \\ 8 & -6 \end{bmatrix} - \begin{bmatrix} 8 & -17 \\ -8 & -4 \end{bmatrix} = \begin{bmatrix} -10 & 30 \\ 16 & -2 \end{bmatrix}$$

Find the product.

$$10) 3 \begin{bmatrix} 0 & -0.2 \\ 4.6 & 2.1 \\ 3 & -12 \end{bmatrix} = \begin{bmatrix} 0 & -0.6 \\ 13.8 & 6.3 \\ 9 & -36 \end{bmatrix}$$

11) True or False: The absolute value of a negative number is always positive.

True