## Bellwork 02/23/2012

1. Subtract.

$$\begin{bmatrix} 8 & -2 \\ -3 & 5 \end{bmatrix}^{+} \begin{bmatrix} 4 & -3 \\ -1 & +7 \end{bmatrix} = \begin{bmatrix} 4 & -5 \\ -4 & 12 \end{bmatrix}$$

2. Multiply.

$$\begin{bmatrix} 2 & -5 \\ 1 & 0 \end{bmatrix} \begin{bmatrix} 6 & -1 \\ 3 & -2 \end{bmatrix}$$

$$\begin{array}{c} \lambda(6) + -5(3) \\ \lambda + -15 \\ -2 + +10 \\ -2 + +10 \\ -2 + +10 \\ -1 + 0 \\ -1 + 0 \\ -1 + 0 \\ -1 + 0 \\ -1 + 0 \\ \end{array}$$

#### Geometry 9.3 Perform Reflections Standard(s): 3

### Vocabulary:

Line of Reflection: When a transformation uses a line like a mirror to reflect an image.





Graph a reflection of  $\triangle ABC$  with vertices A(1,3), B(5,2), and C (2,1). Graph the reflection described.







# **Homework Assignment**

## Worksheet 9.3B

