

## Attendance Quiz 12

Name: \_\_\_\_\_ Date: \_\_\_\_\_

1. Decide whether the given matrices are inverses of each other.

$$\begin{bmatrix} 1 & -4 \\ 2 & -7 \end{bmatrix} \quad \text{and} \quad \begin{bmatrix} -7 & 4 \\ -2 & 1 \end{bmatrix}$$

2. Find the inverse, if it exists for each matrix.

(a)  $A = \begin{bmatrix} 1 & 1 \\ 2 & 3 \end{bmatrix}$

(b)  $B = \begin{bmatrix} 5 & 10 \\ -3 & -6 \end{bmatrix}$