

## Attendance Quiz 9

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

1.  $T$  is a linear transformation from  $R^2$  into  $R^2$ .

$$T\left(\begin{bmatrix} x_1 \\ x_2 \end{bmatrix}\right) = \begin{bmatrix} 2x_1 - 8x_2 \\ -2x_1 + 7x_2 \end{bmatrix},$$

Show that  $T$  is invertible and find a formula for  $T^{-1}$ .