

Name \_\_\_\_\_

1) Find the product below.

$$\begin{bmatrix} 1 & 3 \\ 5 & -2 \end{bmatrix} \begin{bmatrix} 2 & 4 \\ 0 & 1 \end{bmatrix}$$

2) Find the sum below.

$$\begin{bmatrix} 1 & 3 \\ 5 & -2 \end{bmatrix} + \begin{bmatrix} 2 & 4 \\ 0 & 1 \end{bmatrix}$$

3) Solve the following matrix equation for  $X$ .

$$AX + B = C$$

4) Solve the system of equations below.

$$\begin{aligned} x_1 + 4x_2 + x_3 &= 0 \\ x_2 - x_3 &= 0 \end{aligned}$$