

Warm-up: Review Test

1. Solve for a: $a \begin{bmatrix} 10 & -2 \\ -1 & 4 \end{bmatrix} = \begin{bmatrix} 5 & -1 \\ -\frac{1}{2} & 2 \end{bmatrix}$

2. Solve for x: $\begin{vmatrix} 3 & x \\ x & 2 \end{vmatrix} = 5x$