Name:

Matrix Properties

Directions: Use the following matrices to prove or disprove the following properties in the matrix world.

$\left[A\right]=\left[\begin{matrix}4&-2\\6&-1\end{matrix}\right]$, $\left[B\right]=\left[\begin{matrix}1&0\\-2&4\end{matrix}\right]$, $\left[C\right]=\left[\begin{matrix}-1&3\\-2&1\end{matrix}\right]$

# Commutative Property of Multiplication

# Associative Property of Addition

# Associative Property of Multiplication

# Left-Hand Distributive Property

# Identity Property of Addition (You will need to develop the 2x2 additive identity matrix)

# Identity Property of Multiplication (You will need to develop the 2x2 multiplicative identity matrix)