Inverse of 2x2 Matrix

Version 1

Name: _____ **Date**: _____ **Score**: _____

Direction: Find the inverse of each 2x2 matrix. Show all your work in the space provided.

1) $\begin{bmatrix} 2 & 3 \\ 3 & 5 \end{bmatrix}$

2) $\begin{bmatrix} 4 & 3 \\ 2 & 2 \end{bmatrix}$

3) $\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$

4) $\begin{bmatrix} 0 & \frac{1}{3} \\ -3 & -6 \end{bmatrix}$

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Name: _____ **Date**: _____ **Score**: _____

Direction: Find the inverse of each 2x2 matrix. Show all your work in the space provided.

1) $\begin{bmatrix} 2 & 3 \\ 3 & 5 \end{bmatrix}$

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

2) $\begin{bmatrix} 4 & 3 \\ 2 & 2 \end{bmatrix}$

$\begin{bmatrix} 1 & -\frac{3}{2} \\ -1 & 2 \end{bmatrix}$

3) $\begin{bmatrix} 1 & 2 \\ 3 & 4 \end{bmatrix}$

$\begin{bmatrix} -2 & 1 \\ \frac{3}{2} & -\frac{1}{2} \end{bmatrix}$

4) $\begin{bmatrix} 0 & \frac{1}{3} \\ -3 & -6 \end{bmatrix}$

$\begin{bmatrix} -6 & -\frac{1}{3} \\ 3 & 0 \end{bmatrix}$