God loves the sinner but not the sin.
"...but God shows his love for us in that while we were still sinners, Christ died for us." - Romans 5:8

Add the following matrices.

1. $\left[\begin{array}{ccc}4 & 9 & -1 \\ 0 & 3 & 2 \\ -3 & 1 & 5\end{array}\right]+\left[\begin{array}{ccc}6 & -2 & 1 \\ -1 & -2 & 4 \\ 5 & -8 & 6\end{array}\right]$
2. $\left[\begin{array}{rr}-4 & 7 \\ 8 & 5\end{array}\right]+\left[\begin{array}{rr}5 & -2 \\ -1 & 1\end{array}\right]$

Subtract the following matrices.
3. $\left[\begin{array}{lll}3 & 6 & -1 \\ -2 & 5 & -4\end{array}\right]-\left[\begin{array}{lll}8 & 9 & 4 \\ -2 & 7 & 3\end{array}\right]$
4. $\left[\begin{array}{rr}6 & 8 \\ -7 & 4 \\ 5 & -2\end{array}\right]-\left[\begin{array}{cc}-1 & 0 \\ -2 & -8 \\ -3 & 6\end{array}\right]$

Multiply the following matrices.
5. $-2\left[\begin{array}{ccc}6 & -4 & -1 \\ 3 & 5 & 7 \\ 0 & 2 & 0\end{array}\right]$
6. $\frac{1}{2}\left[\begin{array}{cc}-2 & 0 \\ 9 & 6 \\ 8 & -5\end{array}\right]$

Simplify the following expression.
7. $2\left[\begin{array}{ccc}3 & 5 & 6 \\ 1 & -1 & -2 \\ -2 & 4 & 4\end{array}\right]+5\left[\begin{array}{ccc}0 & 4 & 1 \\ -2 & 3 & -2 \\ 3 & -2 & 6\end{array}\right]$
8. $3\left[\begin{array}{rr}-4 & 2 \\ 5 & 0 \\ 1 & -1\end{array}\right]-2\left[\begin{array}{rr}3 & 0 \\ 4 & -1 \\ -2 & 5\end{array}\right]$
© The Math Ministry 2017.

