**Warm Up**

**Day 28**

**Pretest Matrices**

1. Find the determinant of the matrix $\left[\begin{matrix}-14&\frac{1}{10}\\50&\frac{2}{7}\end{matrix}\right]$

2. Find the missing value: $\left[\begin{matrix}6&\frac{1}{2}\\-4&8\end{matrix}\right]\left[\begin{matrix}10&0\\0&-10\end{matrix}\right]=\left[\begin{matrix}60&x\\-40&-80\end{matrix}\right]$

3. Subtract the two matrices: $\left[\begin{matrix}15&20\\3.8&6\\5&-8\end{matrix}\right]-\left[\begin{matrix}22&15.44\\1&1.75\\5&-8\end{matrix}\right]$

4. Solve for x in the system using Cramer’s Rule. Remember, $x=\frac{D\_{x}}{D}$.

 5x + 2y = 8

 X – 2x = 10