

Mat 100  
Worksheet #3

1. Use the substitution method to solve the following:

$$\begin{aligned}x + 2y &= 4 \\ 2x - 2y &= 5\end{aligned}$$

2. Use the elimination method to solve the following:

$$\begin{aligned}5x - y &= 4 \\ 3x + 2y &= -6\end{aligned}$$

3. In one day, Sweatsmatz, Inc. sold 125 tee-shirts. The blue V neck ones sold for \$7.95 each and the red crew neck ones sold for \$8.95 each. The company took in \$1036.75. How many of each type were sold?