

COPY DOWN THE FOLLOWING:

1. Solve the following equation for b: $12b + 4c = d$

$$\begin{array}{r}
 \cancel{-4c} - 4c \\
 \hline
 12b = \frac{-4c + d}{12} \\
 \hline
 b = \frac{-4c + d}{12} \\
 \hline
 b = \frac{d - 4c}{12}
 \end{array}$$

2. Find the y-coordinate for the following system of equations:

$$\begin{array}{r}
 5x + 3y = -14 \\
 -5(x - y = 2) \\
 \hline
 + \quad \cancel{5x} + 3y = -14 \\
 \quad \cancel{-5x} + 5y = -10 \\
 \hline
 \quad \quad 8y = -24 \\
 \quad \quad \frac{8}{8} \quad \frac{-24}{8} \\
 \quad \quad y = -3
 \end{array}$$

-3

3. Andy has taken three tests and scored 75, 71 and 68. What does he need to score on the next test to have an average of a 72%?

$$\begin{array}{r}
 75 + 71 + 68 \\
 \hline
 \cancel{(4)} \frac{214 + x}{\cancel{4}} = 72 (4) \\
 \hline
 \cancel{214} + x = 288 \\
 \quad \quad \hline
 \quad \quad x = 74
 \end{array}$$

74%