

MAT 104 Quiz 2  
Wednesday, September 8, 2004

1. Solve for  $x$  in

$$y + 2x = 4x - 3y - 6$$

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

2. Solve for  $k$  in

$$A = \frac{M - 2m}{k}$$

$$\begin{aligned} A = \frac{M - 2m}{k} &\iff Ak = M - 2m \\ &\iff k = \frac{M - 2m}{A} \end{aligned}$$