



Linear Equations and Inequalities

...More Slope-Intercept Form

Graph from the slope-intercept form: $y = mx + b$.

$m = \text{slope}$

$b = \text{y-intercept}$

$$y = 4x + 2$$

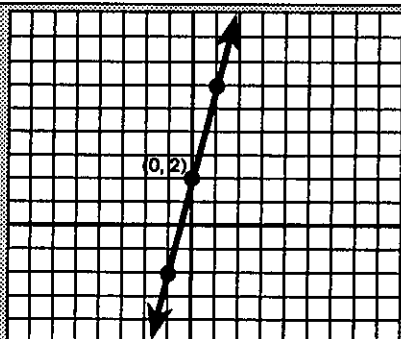
1) Plot y-intercept

$$b = 2 \Rightarrow (0, 2)$$

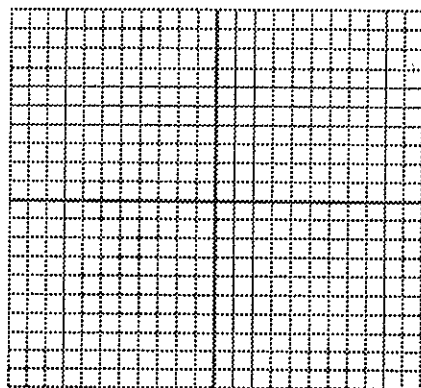
2) Find other points using slope

$$m = 4 \Rightarrow \frac{4}{1} \text{ or } \frac{-4}{-1}$$

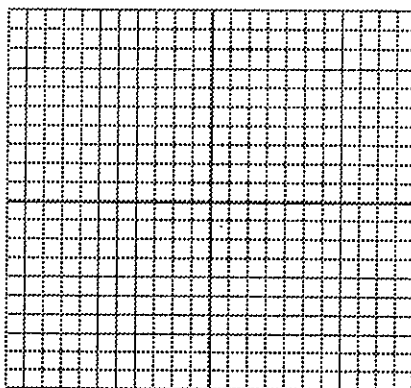
3) Connect points.



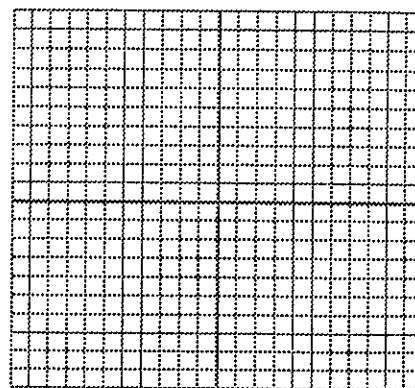
1. $y = 2x - 4$



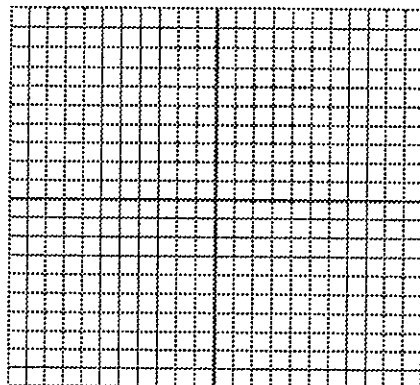
2. $3x - y = 7$



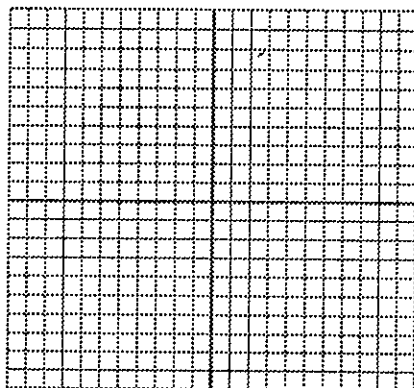
3. $2x + 3y = 6$



4. $y = -\frac{3}{2}x + 1$



5. $x - 4y + 8 = 0$



6. $6x - 5y = 15$

