

Lines Practice

1. Find the slope of each line. Also, sketch each line.

(a) $y = 3x + 5$

(b) $y = -20x + 100$

(c) $20x + 50y = 450$

(d) $x = 3y - 1$

2. Find an equation for the line passing through $(20, 30)$ and $(30, 10)$.

3. Find an equation for the line of slope -2 that passes through the point $(45, 35)$.

4. Find the point of intersection between the lines given by

$$5x + 10y = 200 \text{ and } 20x + 4y = 440.$$