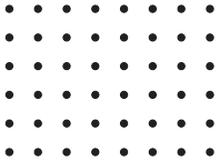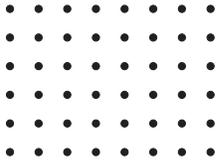Slope (3.3)

1. Suppose each slope below describes the slope of the roof of a house. Using the dot grids, give a sketch of each roof.
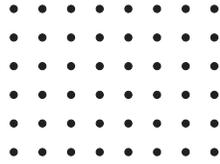
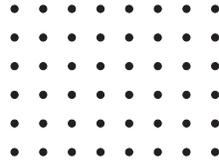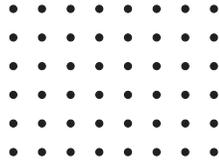(a) $\dfrac{5}{2}$ (b) $\dfrac{4}{1}$ (c) $\dfrac{1}{4}$ (d) $\dfrac{0}{1}$ (e) $\dfrac{1}{0}$

2. Determine the slope of each line segment below.

(a) $\overline{AB}$: _____

(b) $\overline{CD}$: _____

(c) $\overline{EF}$: _____

(d) $\overline{GH}$: _____
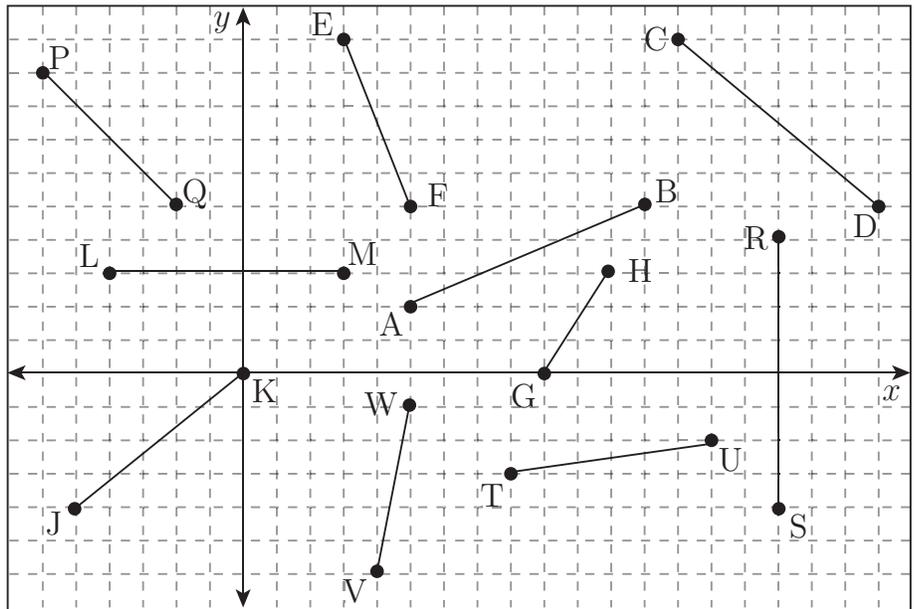
(e) $\overline{JK}$: _____

(f) $\overline{LM}$: _____

(g) $\overline{PQ}$: _____
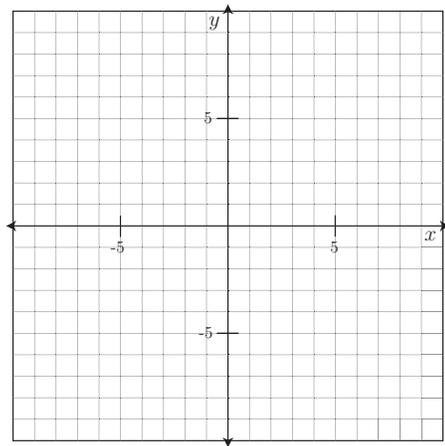
(h) $\overline{RS}$: _____
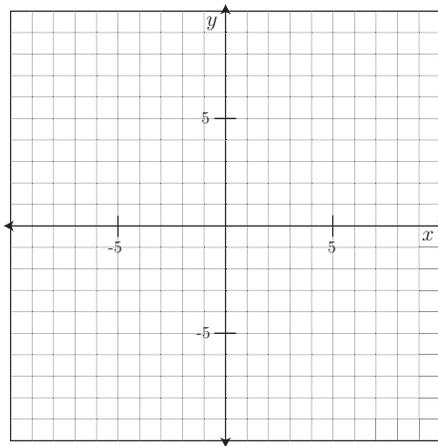
(i) $\overline{TU}$: _____

(j) $\overline{VW}$: _____

3. Determine the slope of the line containing each each pair of points.
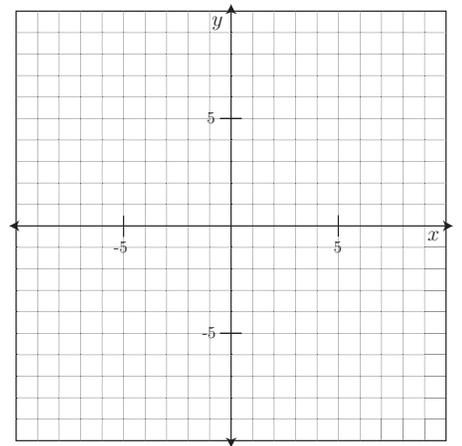
(a) $(-3, 4)$ and $(5, -2)$ (b) $(-7, -2)$ and $(-1, -8)$ (c) $(6, -3)$ and $(6, 4)$

$m =$ _____ $m =$ _____ $m =$ _____

4. Determine the slope of the line containing each each pair of points.

    (a) $(2, 5)$ and $(11, 17)$ (b) $(6, 7)$ and $(-6, -5)$ (c) $(-4, 5)$ and $(9, 5)$

5. What is the greatest slope possible? (Draw it and give a numerical description)

6. What is the smallest slope possible? (Draw it and give a numerical description)