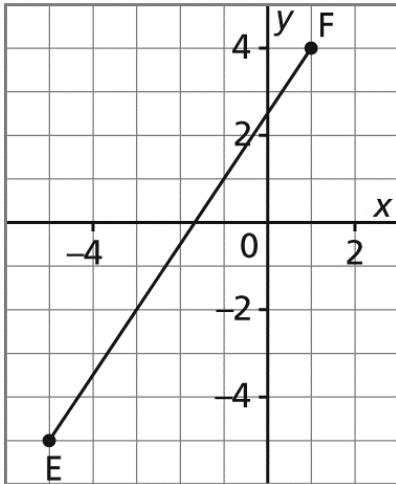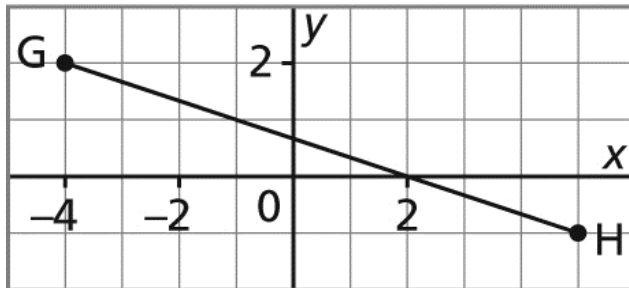# Sec. 6.1 – Slope of a Line

1. Determine the slope of each line segment.
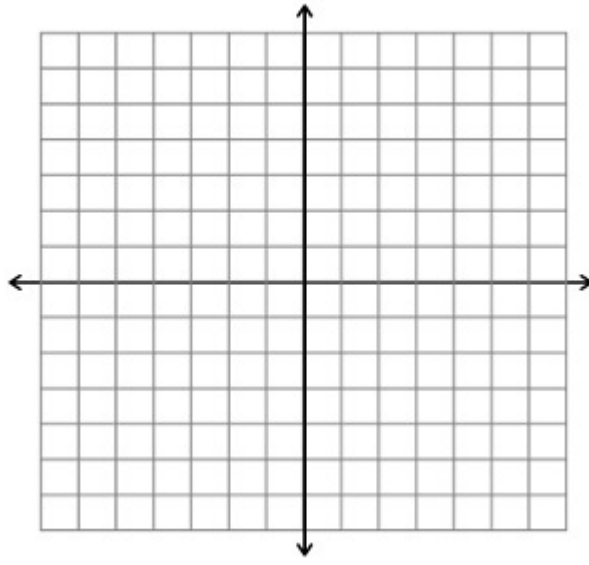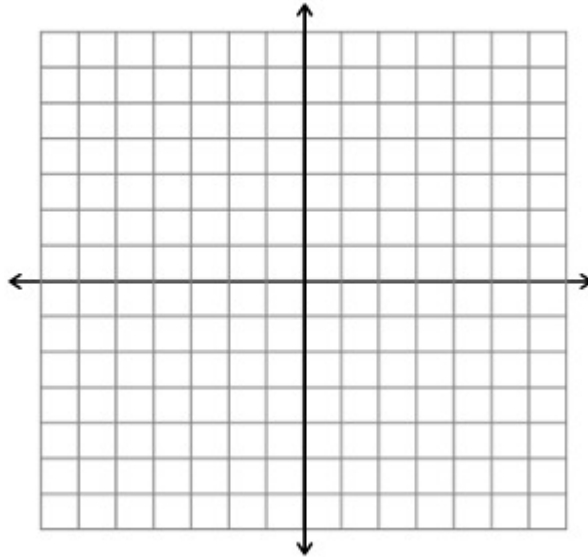
a.

b.

2. Draw a line segment with each slope.
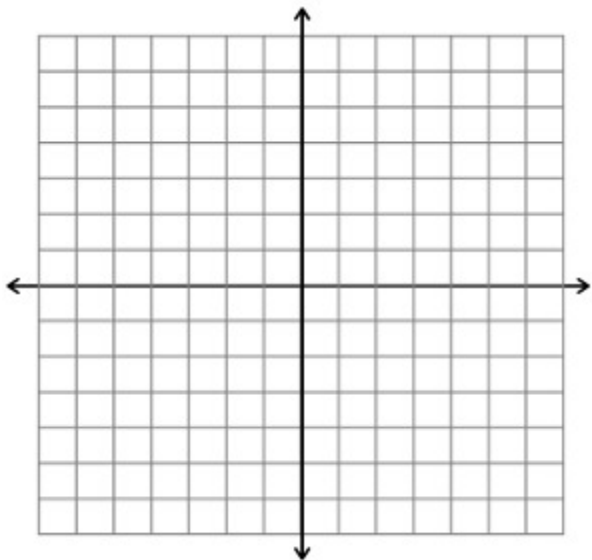
  a) $\frac{4}{9}$

  b) $-\frac{8}{3}$

3. Determine the slope of the line that passes through E(4, −5) and F(8, 6).

4. Tom has a part-time job. He recorded the hours he worked and his pay for 3 different days. Tom plotted these data on a grid.

a) What is the slope of the line through these points?

b What does the slope represent?

c) How can the answer to part b be used to determine:

i) how much Tom earned in $3\frac{1}{2}$ hours?

ii) the time it took Tom to earn $30?

Graph of Tom's Pay