MATH

The Slope of a Line

Find the slope of the line through each pair of points. Make sure to show all your work.

1. $(6, -18)$ and $(15, -18)$

2. $(8, 12)$ and $(0, 16)$

3. $(-15, \ 37)$ and $(-15, 2)$
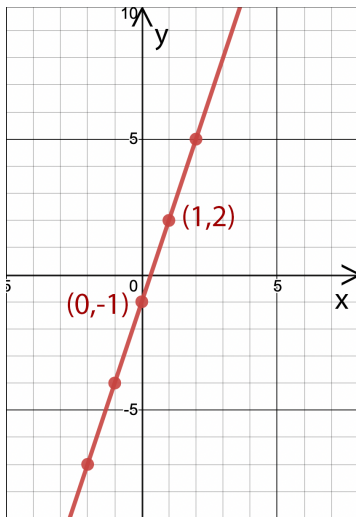
4. $(1, 20)$ and $(-5, 30)$

5. $(4, -36)$ and $(8, -12)$

6. $\left(\frac{2}{3},\frac{5}{9}\right)$ and $\left(\frac{1}{3},\frac{5}{9}\right)$

7. $\left(\frac{3}{8},\frac{1}{5}\right)$ and $\left(\frac{3}{8},\frac{4}{15}\right)$

8. $(11,-23)$ and $(7,-15)$

9. $(-72,54)$ and $(-38,100)$

10. Use the graph below to answer the questions shown.

a. Does the graph shown have a positive or negative slope?

b. List at least one other ordered pair shown on the graph that is not yet labeled.

c. What is the slope of the line shown? Show all of your work