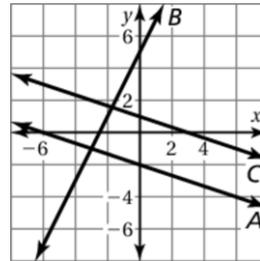


4.2 Practice A

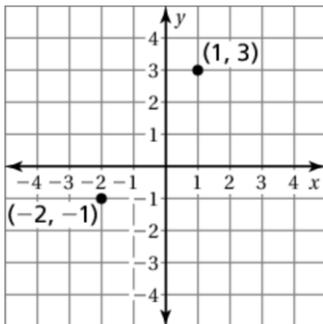
1. Refer to the graph.

- Which lines have negative slopes?
- Which line has the steepest slope?
- Are any two of the lines parallel? Explain.

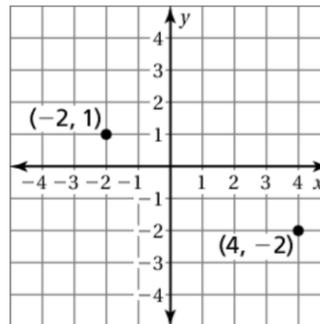


Draw a line through each point using the given slope. What do you notice about the two lines?

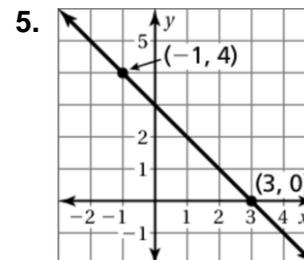
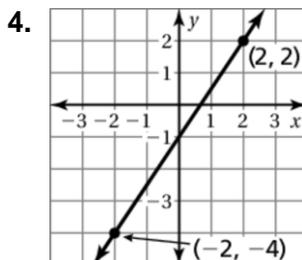
2. Slope = -2



3. Slope = $\frac{1}{2}$



Find the slope of the line.



Find the slope of the line through the given points.

6. $(-1, -4), (1, 4)$

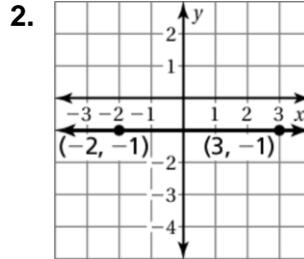
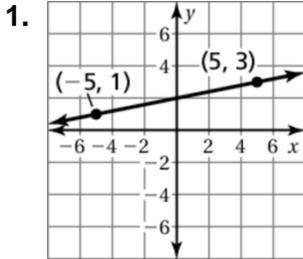
7. $(1, 2), (-3, 2)$

8. An awning covers a window that is 4 feet high. When the awning is opened, it extends 2 feet from the base of the window. Find the slope of the awning.

4.2

Practice B

Find the slope of the line.



Find the slope of the line through the given points.

3. $(1, -6), (-1, 6)$

4. $(-3, -6), (6, 6)$

The points in the table lie on a line. Find the slope of the line.

5.

x	0	2	4	6
y	-4	-1	2	5

6.

x	-4	-1	0	3
y	7	4	3	0

7. A ramp used to remove furniture from a moving truck has a slope of $\frac{2}{5}$.

The height of the ramp is 4 feet. How far does the base of the ramp extend from the end of the truck?

8. The graph shows the cost of a long distance phone call.

- Find the slope of the line.
- Explain the meaning of the slope as a rate of change.
- How much money is added to the phone bill if you talk for 5 extra minutes?
- How many minutes did you talk if the phone call costs \$3?

