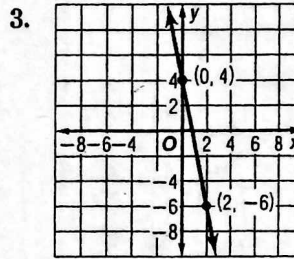
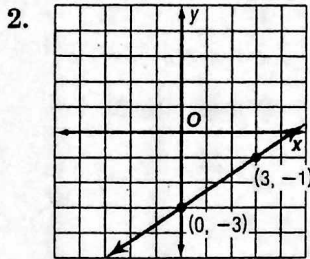
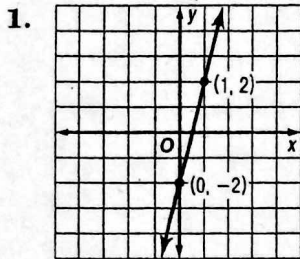


8-4 Practice

Slope

Find the slope of each line.



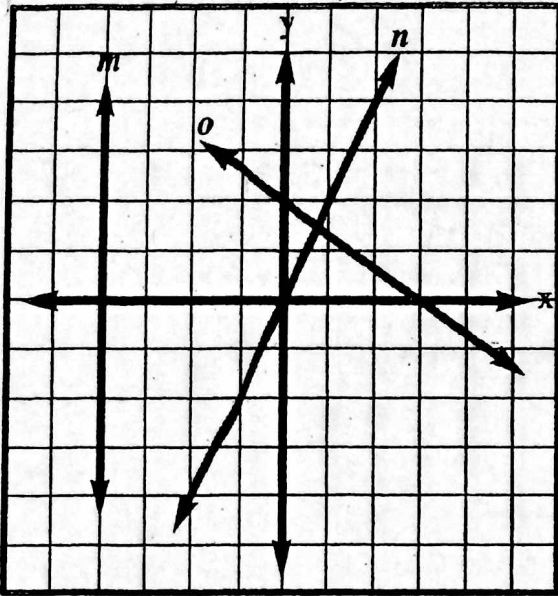
Find the slope of the line that passes through each pair of points.

- 4. $A(-10, 6), B(-5, 8)$
- 5. $C(7, -3), D(11, -4)$
- 6. $E(5, 2), F(12, -3)$
- 7. $G(-15, 7), H(-10, 6)$
- 8. $J(13, 0), K(-3, -12)$
- 9. $L(-5, 3), M(-4, 9)$
- 10. $P(12, 2), Q(18, -2)$
- 11. $R(-2, -3), S(-2, -5)$
- 12. $T(-13, 8), U(21, 8)$

- 13. **CAKES** A wedding cake measures 2 feet high in the center and the diameter of the bottom tier is 12 inches. What is the slope of the cake?
- 14. **INSECTS** One particularly large ant hill found in 1997 measured 40 inches wide at the base and 18 inches high. What was the slope of the ant hill?
- 15. **ARCHAEOLOGY** Today, the Great Pyramid at Giza near Cairo, Egypt, stands 137 meters tall, coming to a point. Its base is a square with each side measuring 230 meters wide. What is the slope of the pyramid?
- 16. **BUSINESS** One warehouse uses 8-foot long ramps to load its forklifts onto the flat beds of trucks for hauling. If the bed of a truck is 2 feet above the ground and the ramp is secured to the truck at its end, what is the slope of the ramp while in operation?



Slope



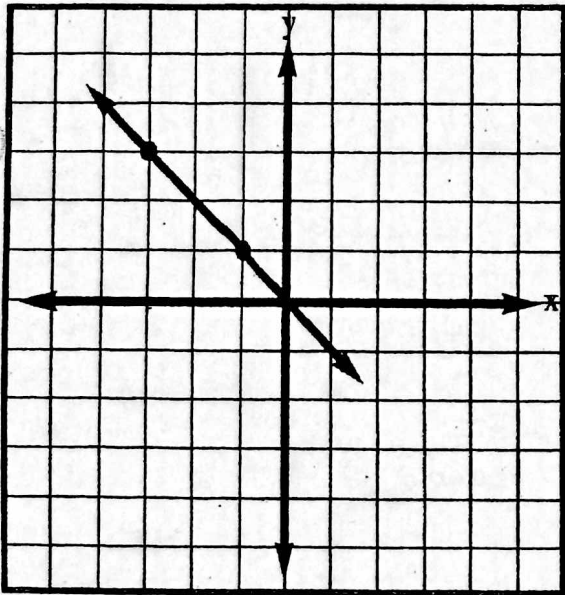
1. Which line on the graph to the left has a positive slope?

2. Which line has a negative slope?

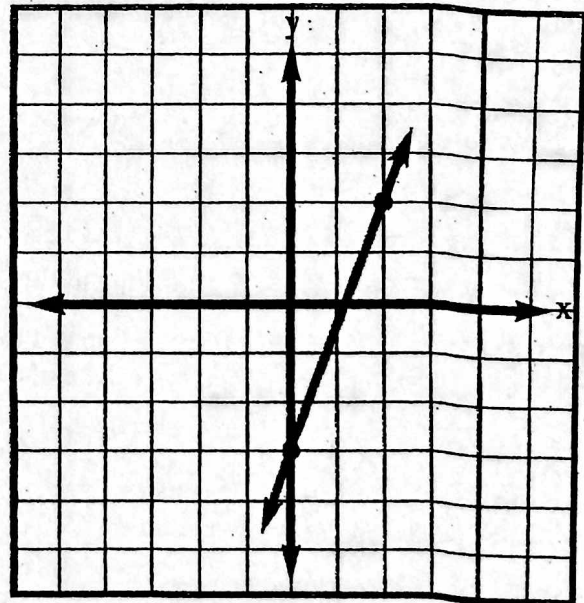
3. Which line, if any, has an undefined slope?

4. Draw a line with a slope of zero on the graph to the left. Label the line *p*.

Find the slope of the lines on the graphs below.



5. Slope = _____



6. Slope = _____

Use the slope formula to find the slope between the two points below. Write your answers in simplest form.

7. (-5, -5) and (1, -5)

8. (4, 0) and (2, -4)

9. (-6, 13) and (-5, 3)

10. (-6, -4) and (10, 8)

