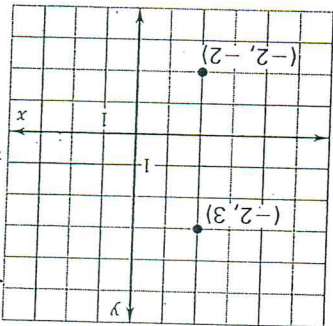
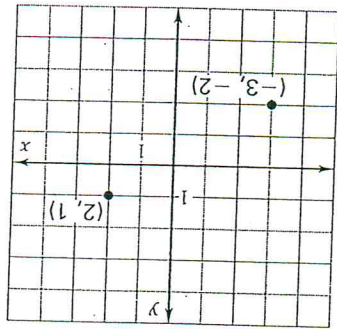
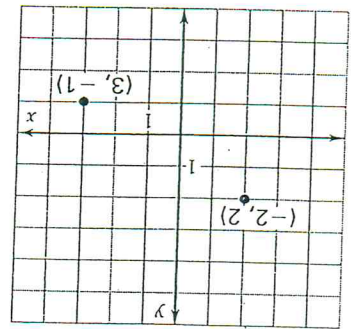


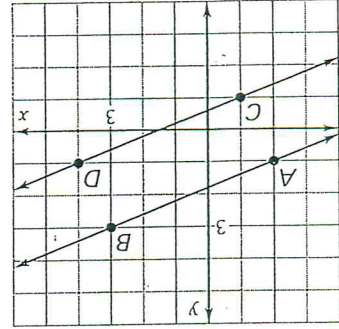
8: Slope of Parallel Lines  
Geometry  
orally

Name: \_\_\_\_\_

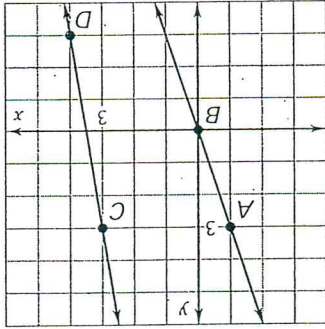
Calculate the slope of the line that passes through the labeled points on the graph.



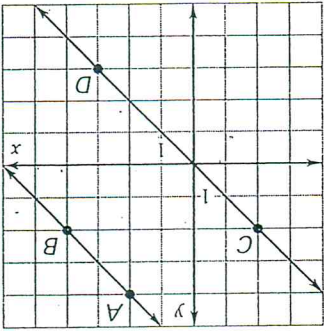
4.



5.

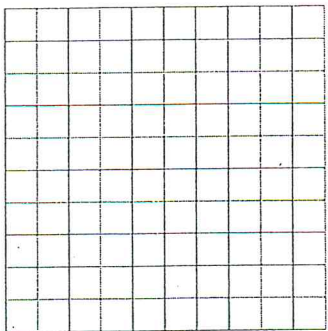


6.



Find the slope of each line. Are the lines parallel?

More fun on  
The Back!



- Use the following information.
- A parallelogram is a four-sided figure whose opposite sides are parallel. Given  $A(2, 3)$ ,  $B(1, -6)$ ,  $C(-3, -4)$ , and  $D(-2, 5)$ .
- Plot and label the points. Connect the points with a segment to form quadrilateral  $ABCD$ .
  - Determine the slopes of  $\overline{AB}$ ,  $\overline{BC}$ ,  $\overline{CD}$ , and  $\overline{DA}$ .
  - Is quadrilateral  $ABCD$  a parallelogram? Explain.

- Write an equation of the line that passes through the given point  $B$  and has the given slope.
- $B = (9, 1)$ ,  $m = 2$
  - $B = (-14, 4)$ ,  $m = \frac{3}{4}$
  - $B = (\frac{2}{5}, 5)$ ,  $m = -1$

- Write an equation of the line. Then, write an equation for a line that is parallel.
- slope = 2  
y-intercept = -3
  - parallel to  $y = -3x$   
y-intercept =  $\frac{1}{3}$
  - parallel to  $y = \frac{1}{2}x - 3$   
y-intercept = 6