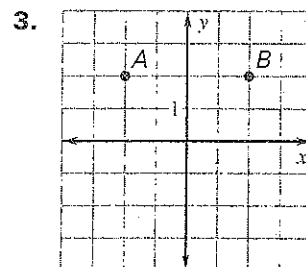
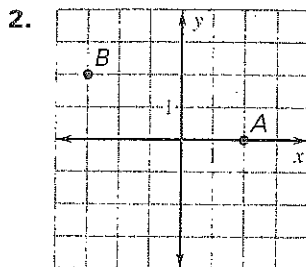
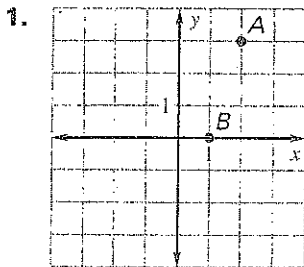


**LESSON**  
**3.4**

**Practice**

For use with the lesson "Find and Use Slopes of Lines"

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

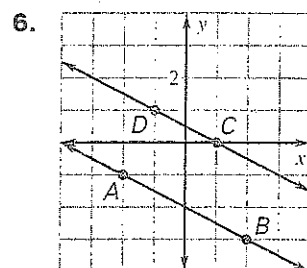
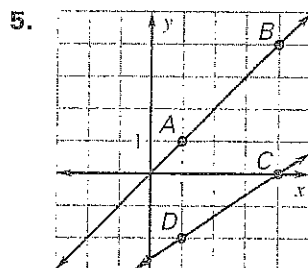
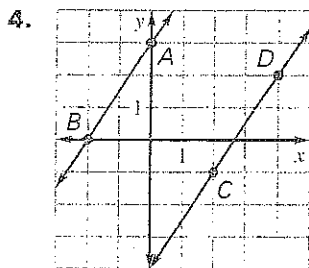


$m =$

$m =$

$m =$

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



$m$  of  $\overleftrightarrow{AB} =$

$m$  of  $\overleftrightarrow{AB} =$

$m$  of  $\overleftrightarrow{AB} =$

$m$  of  $\overleftrightarrow{CD} =$

$m$  of  $\overleftrightarrow{CD} =$

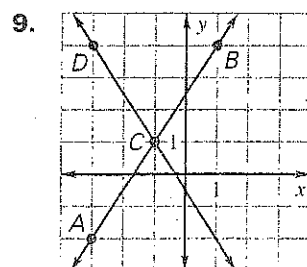
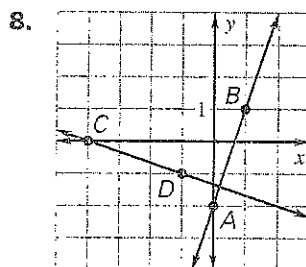
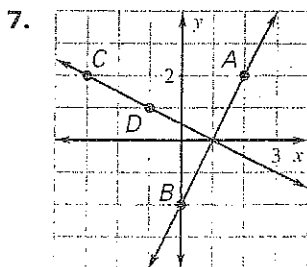
$m$  of  $\overleftrightarrow{CD} =$

Conclusion =

Conclusion =

Conclusion =

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



$m$  of  $\overleftrightarrow{AB} =$

$m$  of  $\overleftrightarrow{AB} =$

$m$  of  $\overleftrightarrow{AB} =$

$m$  of  $\overleftrightarrow{CD} =$

$m$  of  $\overleftrightarrow{CD} =$

$m$  of  $\overleftrightarrow{CD} =$

Conclusion =

Conclusion =

Conclusion =

**LESSON**  
**3.4**

**Practice** *continued*  
For use with the lesson "Find and Use Slopes of Lines"

Tell whether the lines through the given points are **parallel**, **perpendicular**, or **neither**.

10. Line 1:  $(-1, 2), (2, 3)$   
Line 2:  $(0, 0), (3, 1)$

11. Line 1:  $(0, 1), (1, 3)$   
Line 2:  $(4, -1), (5, 2)$

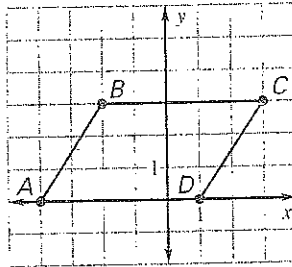
12. Line 1:  $(-5, 0), (-3, -2)$   
Line 2:  $(-2, 2), (0, 4)$

Tell whether the intersection of  $\overline{AB}$  and  $\overline{CD}$  forms a right angle. (are they perpendicular)

13.  $A(-8, 3), B(1, 2), C(0, 9), D(-1, 0)$

14.  $A(3, 2), B(5, 10), C(7, -4), D(3, -3)$

15. **Parallelograms** A parallelogram is a four-sided figure whose opposite sides are parallel. *Explain* why the figure shown is a parallelogram.



16. **Escalators** On an escalator, you move 2 feet vertically for every 3 feet you move horizontally. When you reach the top of the escalator, you have moved a horizontal distance of 90 feet. Find the height  $h$  of the escalator.

