

Name _____

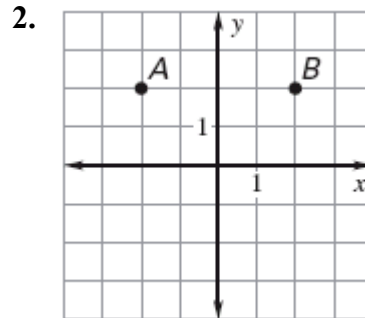
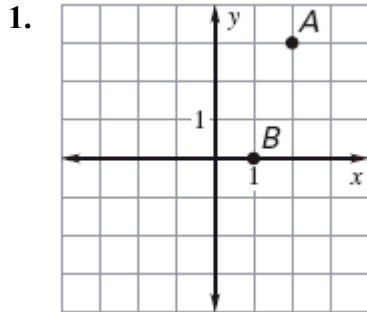
Date _____

LESSON 3.4

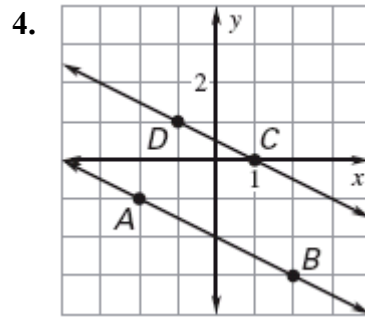
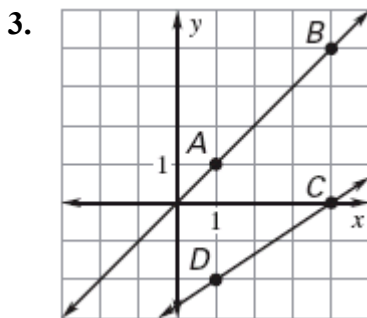
Practice B

For use with pages 171–179

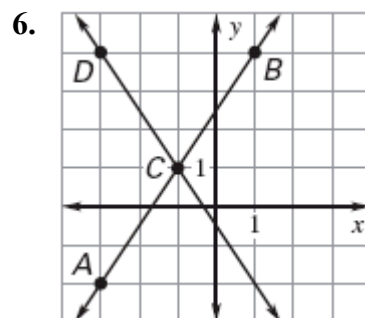
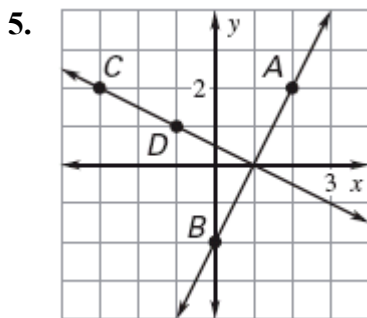
Find the slope of the line that passes through the points.



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



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



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

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

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

9. Line 1: $(-5, 2), (-2, 2)$
Line 2: $(2, 1), (4, 1)$

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

Tell which line through the given points is steeper.

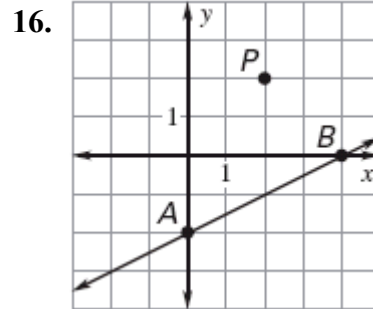
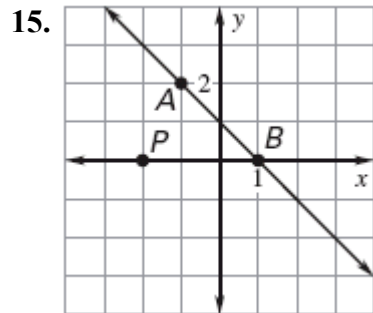
11. Line 1: $(2, 14), (11, 23)$
Line 2: $(4, 2), (13, 12)$

12. Line 1: $(-10, -3), (2, 12)$
Line 2: $(1, -5), (7, 0)$

13. Line 1: $(2, 5), (7, 8)$
Line 2: $(-6, 4), (4, -4)$

14. Line 1: $(-8, -5), (-4, -2)$
Line 2: $(-9, -1), (-5, -7)$

Graph the line parallel to line AB that passes through point P .



Graph the line perpendicular to line AB that passes through point P .

