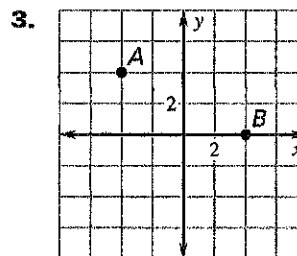
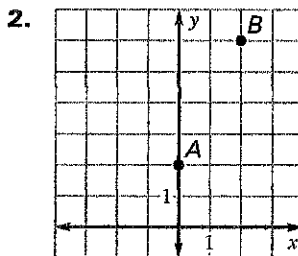
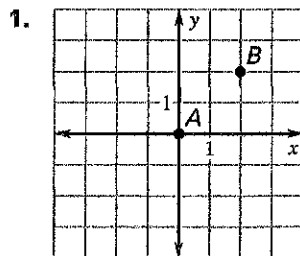
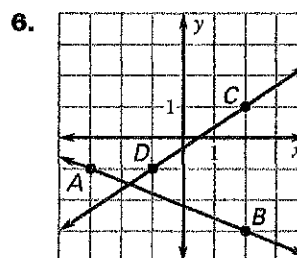
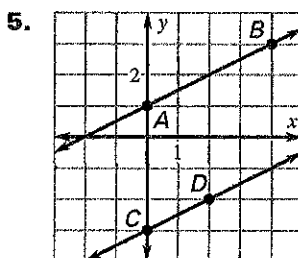
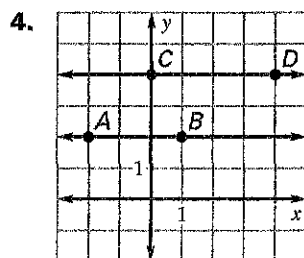
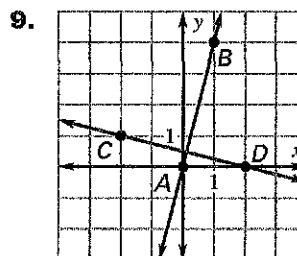
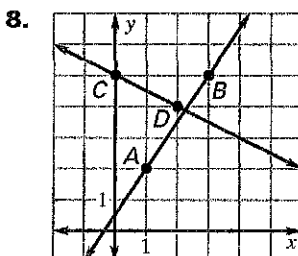
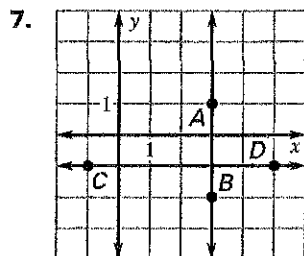


Name _____

Date _____

LESSON
3.4**Practice A**

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

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*.**

10. Line 1: $(-1, 3), (-1, 5)$
Line 2: $(0, 0), (0, 6)$

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

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

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

14. Line 1: $(-3, -2), (1, 2)$
Line 2: $(1, 3), (4, 6)$

15. Line 1: $(-3, 4), (1, 2)$
Line 2: $(6, 2), (8, 1)$

Tell which line through the given points is steeper.

16. Line 1: $(0, 0), (1, 3)$
Line 2: $(0, 0), (4, 6)$

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

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

19. Line 1: $(-3, 6), (0, 0)$
Line 2: $(-2, 2), (0, 0)$

20. Line 1: $(1, 2), (2, 3)$
Line 2: $(2, 4), (4, -2)$

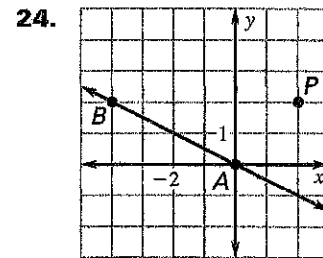
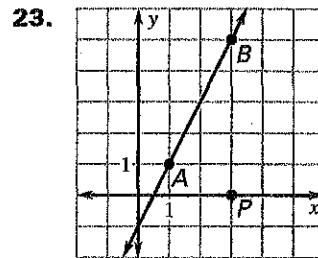
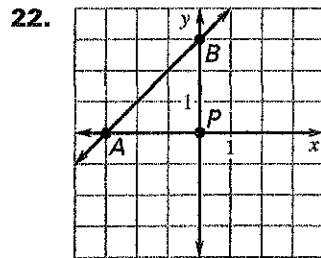
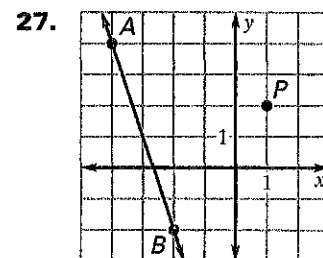
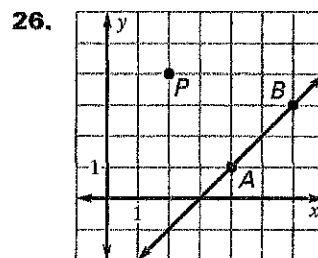
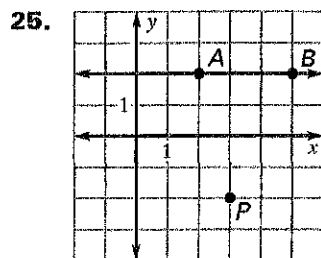
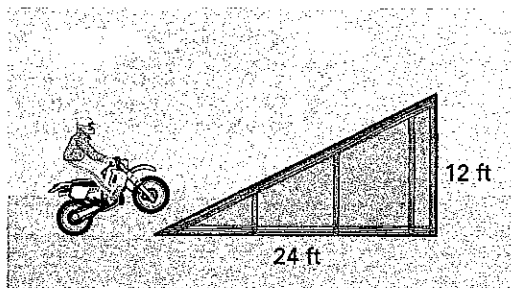
21. Line 1: $(1, 4), (4, 4)$
Line 2: $(2, -1), (6, 3)$

Name _____

Date _____

LESSON
3.4**Practice A** *continued*

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

Graph the line parallel to line AB that passes through point P .**Graph the line perpendicular to line AB that passes through point P .****In Exercises 28 and 29, consider the three given lines.**Line a : through the point $(2, 0)$ with a y -intercept of $(0, 2)$ Line b : through the point $(2, 0)$ with a y -intercept of $(0, 4)$ Line c : through the point $(2, 0)$ with a y -intercept of $(0, 6)$ **28.** Which line is most steep?**29.** Which line is least steep?**30. Motocross Ramp** A motocross ramp is 12 feet tall and 24 feet long.**a.** What is the slope of the ramp?**b.** If the motocross ramp was 16 feet tall, would the ramp be more steep or less steep than the 12-foot tall ramp?