

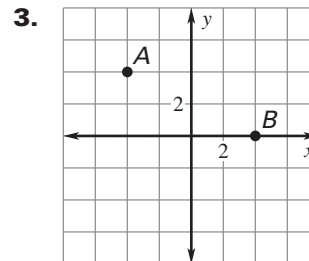
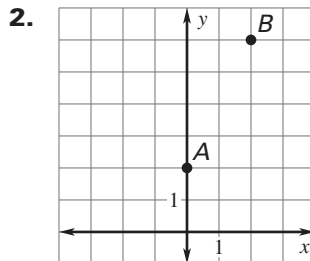
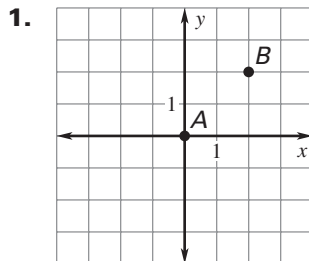
LESSON
3.4

Practice A

For use with pages 171–179

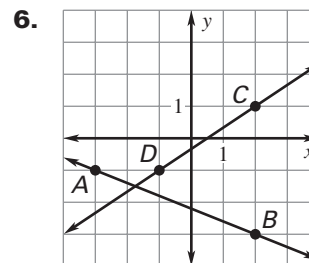
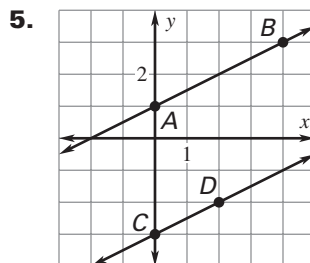
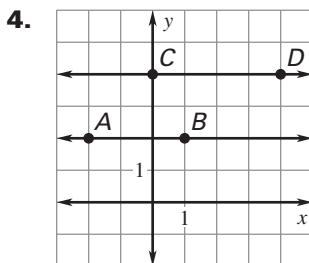
If you turn this in on time: do the odds.
If you turn this in late or
you are doing it over: do the evens.

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

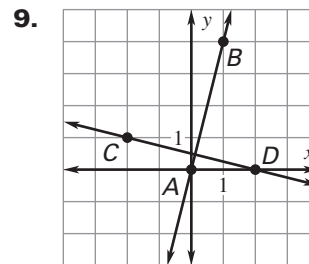
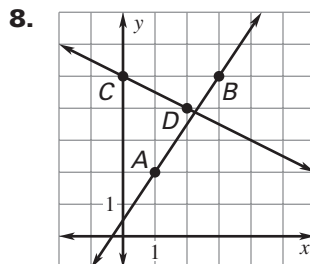
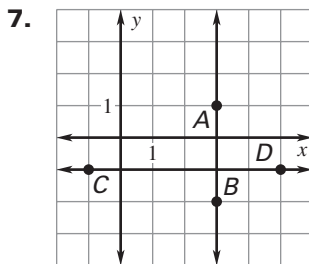


Teacher
Score:

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: $(1, -1), (5, 4)$

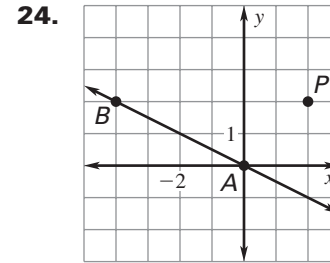
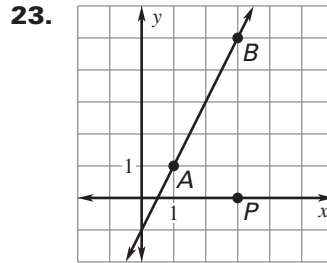
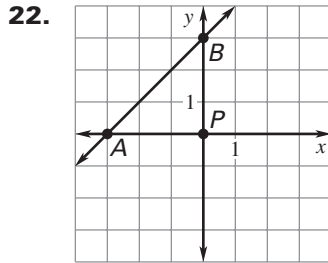
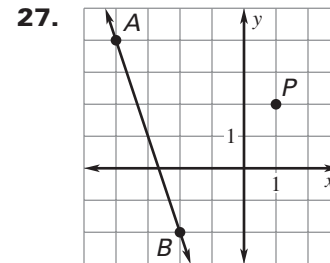
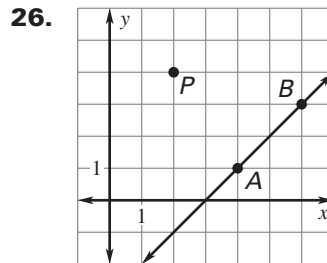
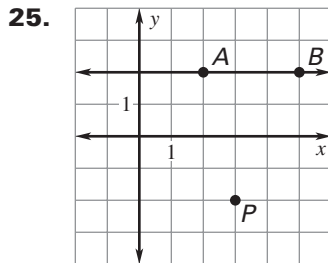
18. Line 1: $(-1, 0), (4, 5)$
Line 2: $(-2, 0), (4, 3)$

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

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

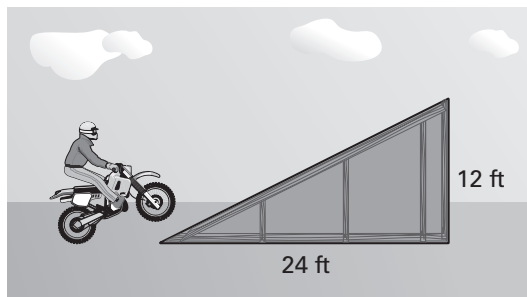
21. Line 1: $(1, 4), (4, 4)$
Line 2: $(2, -1), (6, 3)$

Student
score:
How well
do you feel
you understand
this learning
target:
A
B
C
D
E
F

LESSON
3.4**Practice A** *continued*
For use with pages 171–179**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?