

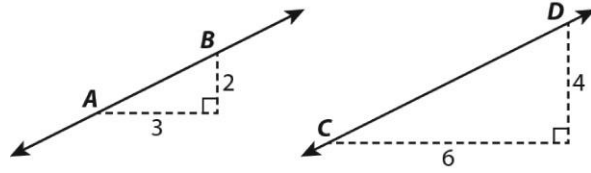
Module 10.1 Practice Show work when finding slopes.

Find the slope.

1. Line \overline{AB} _____

2. Line \overline{CD} _____

3. Are \overline{AB} and \overline{CD} parallel? Explain your reasoning.



Line A contains the points (2, 6) and (4, 10). Line B contains the points (-2, 3) and (3, 13).

4. Find the slope of line A

5. Find the slope of line B

6. Are Line A and Line B parallel? Explain your reasoning.

For Problems 7–10, use the graph.

7. Describe a method you can use to show that figure $MNPQ$ is a trapezoid.

8. Which two sides should you choose to see if they are parallel?
Explain why you chose those sides.

9. What is the slope of the first side you chose?

10. What is the slope of the second side?

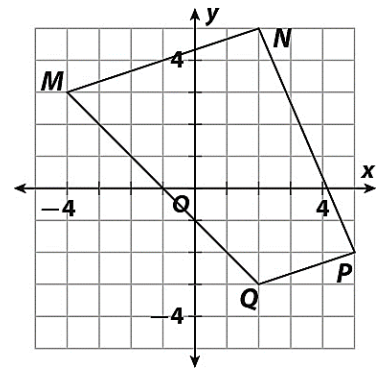


Figure $JKLM$ has as its vertices the points $J(4, 4)$, $K(2, 1)$, $L(-3, 2)$, and $M(-1, 5)$.

Find each slope.

11. \overline{JK} _____

12. \overline{KL} _____

13. \overline{LM} _____

14. \overline{MJ} _____

15. Is $JKLM$ a parallelogram? Explain your reasoning.

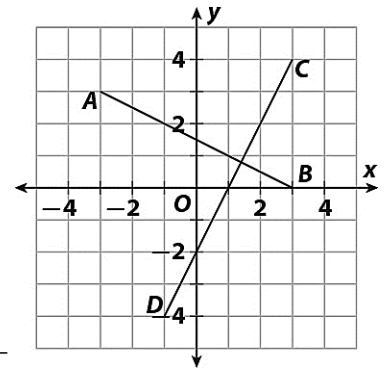
Module 10.2 Practice

Find the slope.

16. Line segment \overline{AB} _____

17. Line segment \overline{CD} _____

18. Are \overline{AB} and \overline{CD} perpendicular? Explain your reasoning.



Line A contains the points (-1, 5) and (1, -3). Line B contains the points (2, 3) and (-2, 2).

Find the slope.

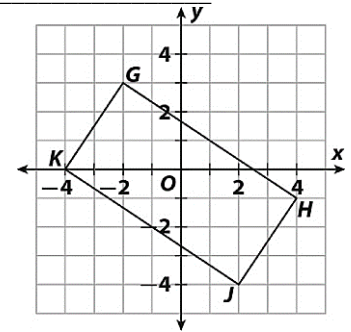
19. Line A _____

20. Line B _____

21. Are Line A and Line B perpendicular? Explain your reasoning.

For Problems 22–27, use the graph.

22. Describe a method you can use to show that Figure $GHJK$ is a rectangle.



Find each slope.

23. \overline{GH} _____

24. \overline{HJ} _____

25. \overline{JK} _____

26. \overline{KG} _____

27. Is Figure $GHJK$ a rectangle? Explain your reasoning.

Figure $WXYZ$ has as its vertices the points $W(2, 7)$, $X(5, 6)$, $Y(5, -4)$, and $Z(-1, -2)$. Find each slope.

28. \overline{WX} _____

29. \overline{XY} _____

30. \overline{YZ} _____

31. \overline{ZW} _____

32. Is Figure $WXYZ$ a rectangle? Explain your reasoning.
