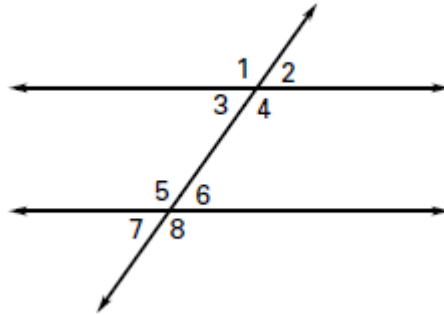


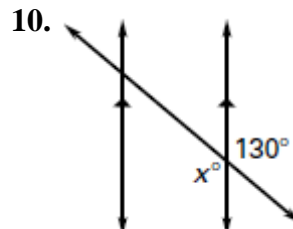
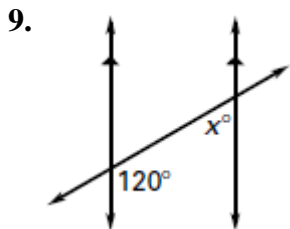
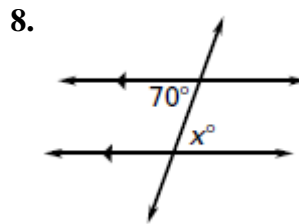
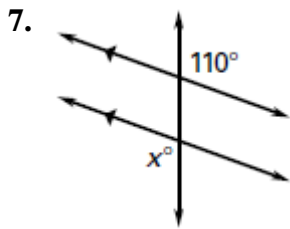
Assignment 26 Chapter 3 Test. Show All Work for full credit.

Identify the pairs of angles as *corresponding*, *alternate interior*, *alternate exterior*, *consecutive interior*, or *vertical angles*.

1. $\angle 3$ and $\angle 6$
2. $\angle 2$ and $\angle 7$
3. $\angle 4$ and $\angle 8$
4. $\angle 5$ and $\angle 8$
5. $\angle 3$ and $\angle 5$
6. $\angle 1$ and $\angle 8$



Find the value of x .

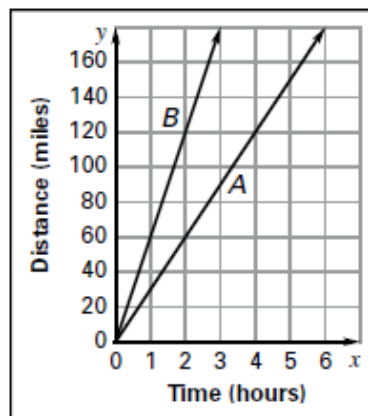


Determine if the lines are *parallel*, *perpendicular*, or *neither*.

- | | |
|------------------------|-------------------------|
| 11. $y = 3x + 4$ | 12. $y = 6x + 2$ |
| $y = 3x - 5$ | $y = 8x - 4$ |
| 13. $y = 2x - 6$ | 14. $y = 4x + 10$ |
| $y = \frac{1}{2}x + 1$ | $y = -\frac{1}{4}x + 2$ |

The graph displays the distances traveled by two cars on a 180-mile trip. Determine if the statement is *true* or *false*.

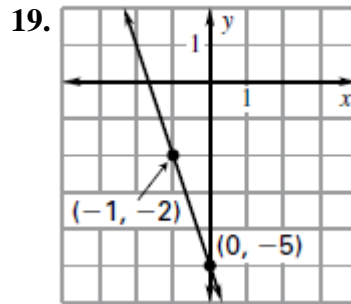
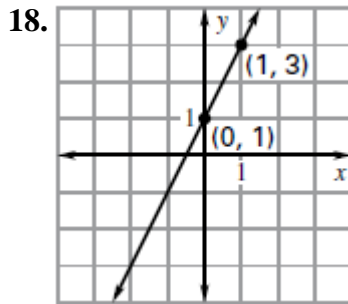
15. Car A traveled faster than car B.
16. Car A arrived at the destination 3 hours after car B.
17. The speed of car B was 60 miles per hour.



Answers

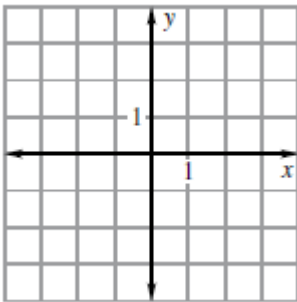
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____

Write an equation of the line.

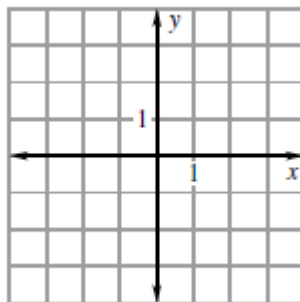


Graph the equation.

20. $y = -4x - 1$



21. $y = x - 2$

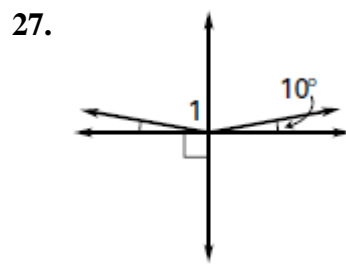
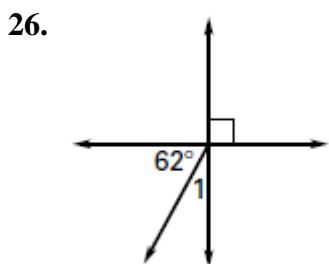
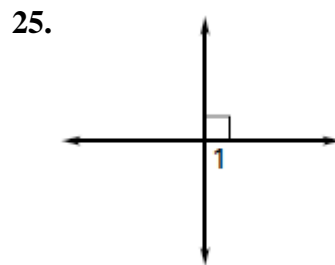
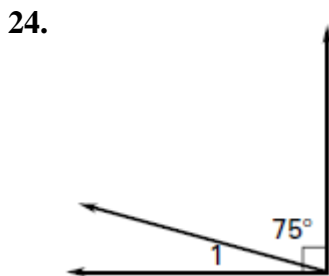


Find the x - and y -intercepts of the line that passes through the given points.

22. $(4, 1)$ and $(2, 2)$

23. $(-6, 2)$ and $(-3, 4)$

Find $m \angle 1$.



Answers

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____

26. _____

27. _____