

SM2H 7.6 Quadrilaterals Day 1 Answers

1. square, rectangle, rhombus, parallelogram, quadrilateral
2. isosceles trapezoid, quadrilateral
3. parallelogram, quadrilateral
4. rectangle, parallelogram, quadrilateral
5. kite, quadrilateral
6. quadrilateral
7. $x = 5$
8. $x = 5$
9. $x = 6$
10. $x = 2$
11. $x = 104^\circ, y = 76^\circ$
12. $x = 90^\circ, y = 70^\circ$
13. $x = 23^\circ, y = 40^\circ$
14. $x = 10^\circ, y = 46^\circ$
15. parallel
16. congruent
17. congruent
18. supplementary
19. linear pair
20. $a = 12, b = 107^\circ$
21. $e = 127^\circ, f = 15$
22. $x = 6$
23. $x = 3$
24. $x = 15$
25. $x = 60$
26. 7
27. 44°
28. 13
29. 32°
30. $x = 10$
31. $x = 8$
32. $x = 4$
33. $x = 5$
34. $a = 39, b = 21$
35. $y = 12, z = 4$
36. $x = 2, QS = 9, RT = 9$
37. $x = 3, QS = 7, RT = 7$
38. Yes, both pairs of opposite sides are parallel.
39. Yes, both pairs of opposite sides are congruent.
40. Yes, both pairs of opposite angles are congruent.
41. Yes, both pairs of opposite sides are congruent.
42. Yes, diagonals bisect each other.
43. Yes, one pair of opposite sides are both parallel and congruent.