

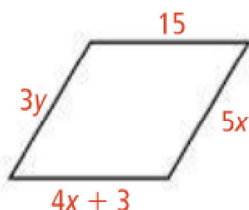
Homework: p. 380: 28-40 all

List the quadrilaterals that have the given property. Choose among *parallelogram, rhombus, rectangle, and square*.

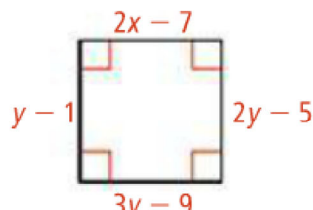
- | | |
|---|--|
| 28. All sides are \cong . | 29. Opposite sides are \cong . |
| 30. Opposite sides are \parallel . | 31. Opposite \sphericalangle are \cong . |
| 32. All \sphericalangle are right \sphericalangle . | 33. Consecutive \sphericalangle are supplementary. |
| 34. Diagonals bisect each other. | 35. Diagonals are \cong . |
| 36. Diagonals are \perp . | 37. Each diagonal bisects opposite \sphericalangle . |

Algebra Find the values of the variables. Then find the side lengths.

38. rhombus



39. square



© 40. Think About a Plan Write a proof.

Proof

Given: Rectangle $PLAN$

Prove: $\triangle LTP \cong \triangle NTA$

- What do you know about the diagonals of rectangles?
- Which triangle congruence postulate or theorem can you use?

