

Chapter 6 Final Review Extra Problems  
(Answers provided in next class session)

1. Draw the quadrilateral “family tree”:

2: Define these special quadrilaterals:

Parallelogram:

Rectangle:

Rhombus:

Square:

Kite:

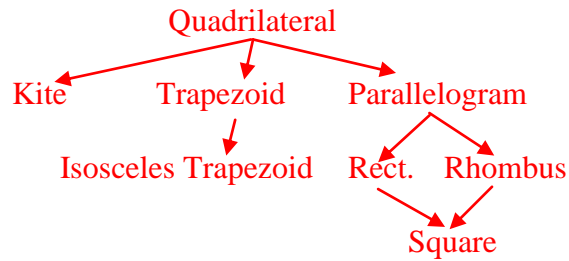
Trapezoid:

Isosceles trapezoid:

3. What properties does a square inherit from a rectangle and rhombus? Indicate which figure gives that property to a square.

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(Answers provided in next class session)

1. Draw the quadrilateral “family tree”: (page 289)



- 2: Define these special quadrilaterals: (page 339)

Parallelogram:

A quadrilateral with both pairs of opposite sides parallel.

Rectangle:

A parallelogram with four right angles.

Rhombus:

A parallelogram with four congruent sides.

Square:

A parallelogram with four right angles and four congruent sides.

Kite:

A quadrilateral with two sets of adjacent sides congruent and no opposite sides congruent.

Trapezoid:

A quadrilateral with exactly one pair opposite sides parallel.

Isosceles trapezoid:

A trapezoid with non-parallel sides congruent.

3. What properties does a square inherit from a rectangle and rhombus? Indicate which figure gives that property to a square.

Rectangle:

- Four right angles (definition)
- Congruent diagonals (Theorem 6-11)

Rhombus:

- Four congruent sides (definition)
- Perpendicular diagonals (Theorem 6-10)