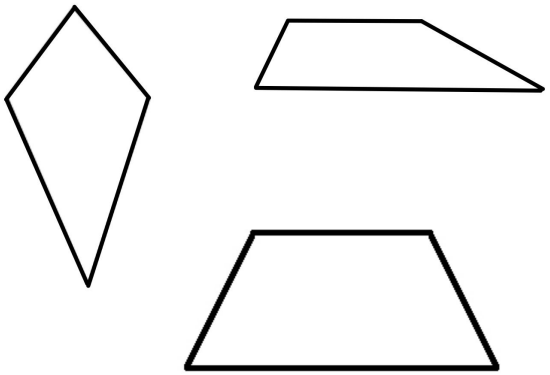
Properties of Kites and Trapezoids

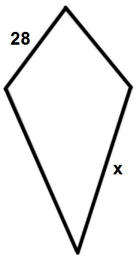
_____ - the diagonals meet at right angles
- 2 sets of equal sides
- exactly one pair of opposite angles that are congruent
- one diagonal bisects the other

_____ - exactly one pair of parallel sides
- each lower base angle is supplementary to the upper base angle on the same side

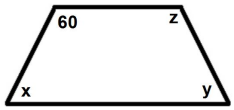
_____ - lower base angles are congruent
- upper base angles are congruent
- diagonals are congruent



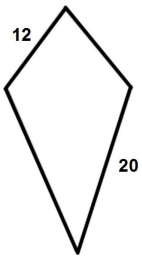
The following is a kite with a perimeter of 116. Solve for x.



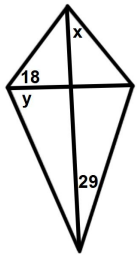
The following is an isosceles trapezoid. Solve for x, y, and z.



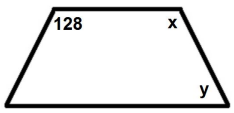
The following figure is a kite. Find the perimeter.



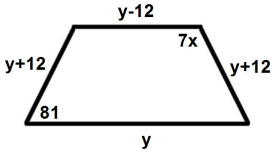
The following figure is a kite. Solve for x and y.



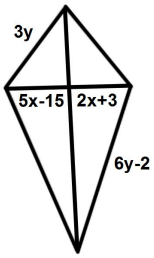
The following is an isosceles trapezoid. Solve for x and y.



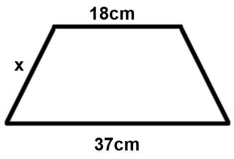
The following is an isosceles trapezoid with a perimeter of 164 cm. Solve for x and y.



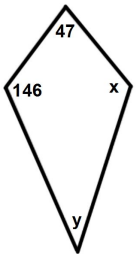
The following is a kite with a perimeter of 86 ft. Solve for x and y.



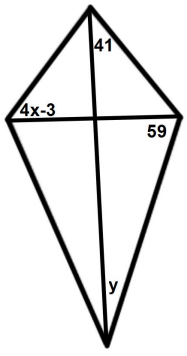
The following is an isosceles trapezoid with a perimeter of 85 cm. Solve for x.



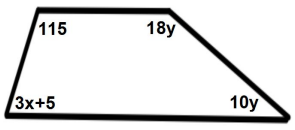
The following is a kite. Solve for x and y.



The following is a kite. Solve for x and y.



The following is a trapezoid. Solve for x and y.



The following is an isosceles trapezoid with a perimeter of 88ft. Solve for x.