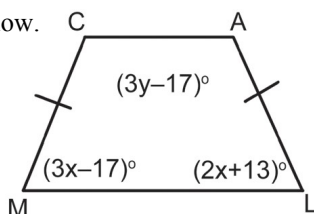Name:_____

Date Started: _____Date Completed: _____Score:_____

Learning Activity Sheet
Midline Theorem and Theorems
on Trapezoids and Kites

Write the letter of the best answer on the space provided before the number.

_____1. Which of the following statements is TRUE?
    A. A trapezoid can have four equal sides.
    B. A trapezoid can have three right angles.
    C. The base angles of an isosceles trapezoid are congruent.
    D. The diagonals of an isosceles trapezoid bisect each other.

_____2. The diagonals of an isosceles trapezoid are represented by $4x - 47$ and $2x + 31$. What is the value of x?
    A. 38   C. 47
    B. 39   D. 49

_____3. Which of the following quadrilaterals has diagonals that do not bisect each other?
    A. Square   C. Rectangle
    B. Rhombus   D. Trapezoid

_____4. Find the value of x in the figure below.
    A. 24
    B. 30
    C. 35
    D. 50

_____5. Which of the following statement/s is/are TRUE about trapezoids?
    A. The diagonals are congruent.   C. Both A and B
    B. The median is parallel to the base.   D. Neither A nor B

_____6. What is the perimeter of a kite if the sides are 13 centimeters and 17 centimeters?
    A. 60 cm   C. 40 cm
    B. 50 cm   D. 30 cm

_____7. A trapezoid is a quadrilateral with exactly one pair of sides.
    A. parallel   C. perpendicular
    B. congruent   D. skew

_____8. The legs of an isosceles trapezoid are_____ _____.
    A. parallel   C. congruent
    B. perpendicular   D. skew

_____9. The base angles of an isosceles trapezoid are _____.
    A. parallel   C. congruent
    B. supplementary   D. complementary

_____10. A trapezoid is a parallelogram.
    A. True   C. Maybe
    B. False   D. None of the above

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