Name: _____
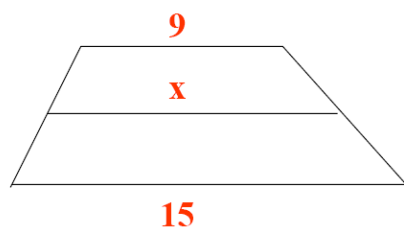
Trapezoids

Exercise 1: Answer each of the following using **A** if the statement is always true, **S** if the statement is sometimes true, or **N** if the statement is never true.
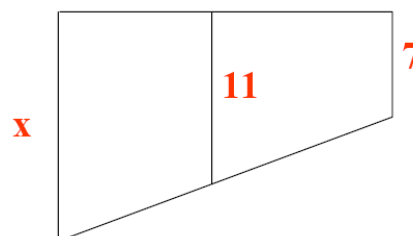
1) A trapezoid is a parallelogram.
2) The diagonals of a rectangle bisect each other.
3) An equilateral parallelogram is equiangular.
4) The diagonals of a rhombus are congruent.
5) There are more than two right angles in a trapezoid.
6) There is one right angle in a parallelogram and the quadrilateral is not a rectangle.
7) An equiangular rhombus is a square.
8) The opposite angles of a parallelogram are supplementary.
9) A trapezoid has three congruent sides.
10) The diagonals of a rectangle bisect the interior angles.

Exercise 2: Each diagram shows a trapezoid and its median. Find x.

1)
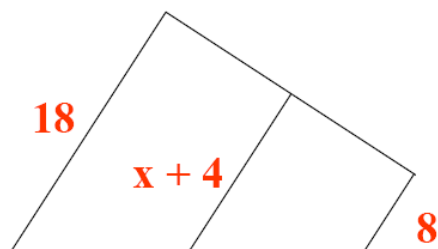
9
x
15

2)

11
x
7

3)

18
x + 4
8

4)

5x + 12
5x
3x