1. 

Examine the rhombus. Which of the following statements appear to be true?

a. All four sides are congruent
b. The diagonals are $\perp$
c. The diagonals bisect the $\angle$ s
d. The diagonals bisect each other
e. The diagonals are $\cong$
2.

Examine the isosceles trapezoid. Which of the following statements appear to be true?

a. The opposite sides are $\cong$
b. Opposite sides are II
c. The diagonals bisect the $\angle$ s
d. The diagonals bisect each other
e. The diagonals are $\cong$
3.

Examine the Kite. Which of the following statements appear to be true?

a. The opposite sides are $\cong$
b. Opposite sides are II
c. The diagonals bisect the $\angle \mathrm{s}$
d. The diagonals bisect each other
e. The diagonals are $\cong$
f. The diagonals are $\perp$
8.

Examine each statement below. If the statement is always true, write $\mathbf{A}$; if sometimes true, write $\mathbf{S}$; if never true, write $\mathbf{N}$.
a. A square is a rhombus
b. A rhombus is a square
c. A kite is a parallelogram
d. A rectangle is a polygon
e. A polygon has the same number of vertices as sides
f. A parallelogram has three diagonals
g. A trapezoid has three bases
16.

ABCD is a kite

a. Solve for $\mathbf{x}$ and y
b. What is the perimeter of the kite?
c. Is it possible for $\overline{\mathrm{AC}}$ to be 19 units long? Why or why not?
19.

The trapezoidal region is actually the union of two triangles and a rectangle. Find the area of the trapezoid.

20.

How many rectangles are shown in the figure below in which all of the angles are right angles?


