Quiz properties of Quadrilaterals

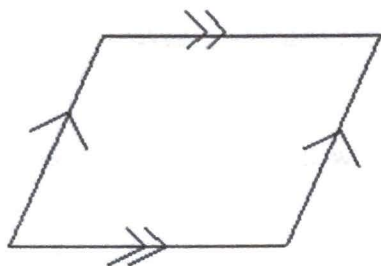Name:_____

Period:_____

Fill in the blank for each definition with the appropriate term (use each name only once).

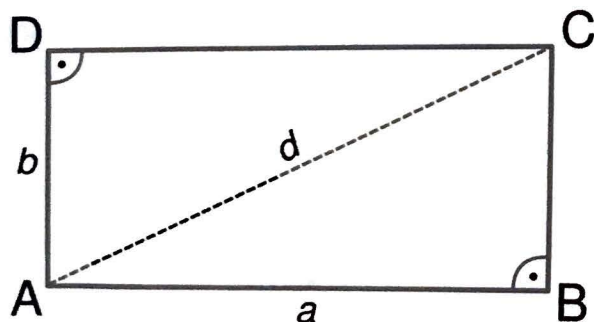1. _____ has one set of parallel sides.

2. _____ has two pairs of consecutive congruent sides.

3. _____ has four right angles.

4. _____ has two pairs of parallel sides.

5. _____ has four congruent sides.

6. _____ has four sides.

7. _____ has four congruent sides and four right angles.

8. List three properties of parallelograms (do not include the definition).

9. List all three quadrilaterals that are parallelograms.

10. Name all three quadrilaterals that have perpendicular diagonals.

Name:_____

For problems 1-4 use the following rhombus.

1. AB=3x+1 and BD= 7x -7, solve for x. What is the length of BD?

2. If m<ABD is 75, what is the m<ACD?

3. If the m<AEB is 5x-10, solve for x.
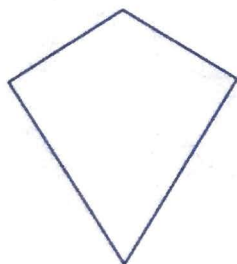
4. What is the m<CAB

For problems 5-7 use the rectangle below:

5. If DB=10 and DA=8, find AB.

5. If DA=10 and DC=13, what is the perimeter of rectangle ABCD?

6. If DC=4 and DB=5, what is CB?

7. If DE=15 and EB=10x-1, what is x?

Use the kite below to answer questions 8-10

8. The m<BEC is 10x+10. Solve for x.

9. If AB=10x+10 and BC=9x-1, what is x?

10. If AB=4 and AD=7, what is the perimeter of kite ABCD?