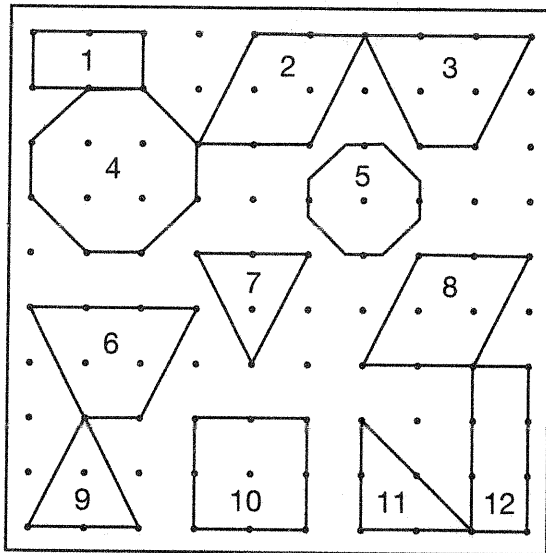


Name _____

Date _____

Using the Geoboard dot paper below, find several congruent and noncongruent figures, including similar figures. Determine if the figures are congruent or noncongruent, and if the statements about them are true or false.



Congruent/Noncongruent Chart

Look closely to the figures to the left.
Write True or False on the line.

- 1. Fig. 1 \cong Fig. 2 _____
- 2. Fig. 12 \cong Fig. 1 _____
- 3. Fig. 9 \cong Fig. 11 _____
- 4. Fig. 9 \cong Fig. 4 _____
- 5. Fig. 5 \cong Fig. 2 _____
- 6. Fig. 7 \cong Fig. 9 _____
- 7. Fig. 10 \cong Fig. 1 _____
- 8. Fig. 2 \cong Fig. 8 _____
- 9. Fig. 3 \cong Fig. 6 _____
- 10. Fig. 8 \cong Fig. 6 _____

11.

Which answer below shows a pair of congruent angles?

- A
- B
- C
- D

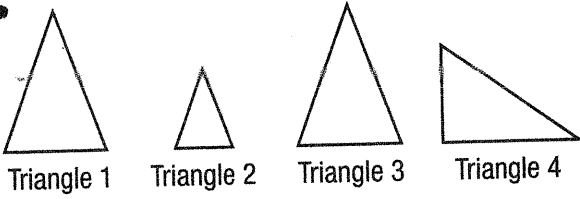
12.

Which answer below shows a pair of congruent polygons?

- A
- B
- C
- D

13.

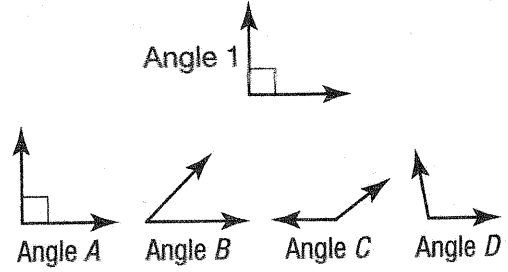
Which figures below are congruent to each other?



- F Triangle 1 and Triangle 2
- G Triangle 1 and Triangle 4
- H Triangle 2 and Triangle 3
- J Triangle 1 and Triangle 3

14.

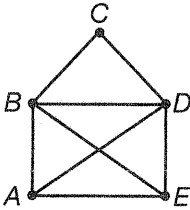
Which angle is congruent to $\angle 1$?



- A Angle A
- B Angle B
- C Angle C
- D Angle D

15.

There are several congruent line segments in the figure below.

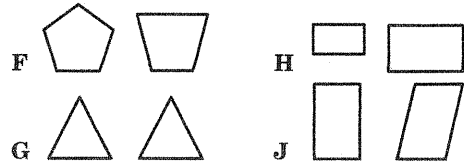


Which answer below lists a pair of congruent segments?

- F \overline{ED} and \overline{AB}
- G \overline{AB} and \overline{CD}
- H \overline{AB} and \overline{AD}
- J \overline{BE} and \overline{EC}

16.

Devonne and Nicole are using sidewalk chalk to draw figures on the driveway when they realize that they have drawn a set of congruent figures. Can you identify the congruent figures below?



17.

Which of the following figures is noncongruent to Rectangle 1?

