2D Geometry   Score: _____
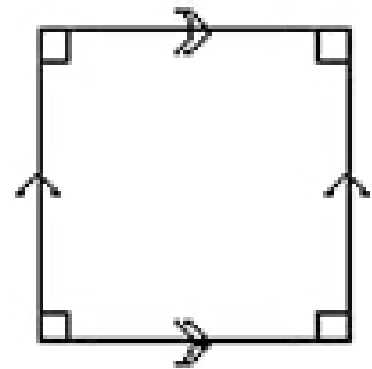
1. **Triangles can be classified by their lengths and angles.**

(A) True

(B) False

2. **Quadrilaterals are classified only according to the properties of their sides.**

(A) True

(B) False

3. **The following quadrilateral can be classified as a parallelogram.**

(A) True

(B) False

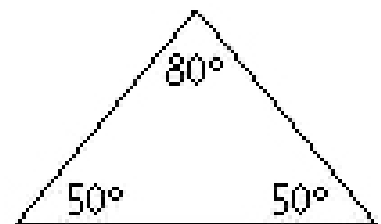4. **Two squares that have the same perimeter must be congruent.**

(A) True

(B) False

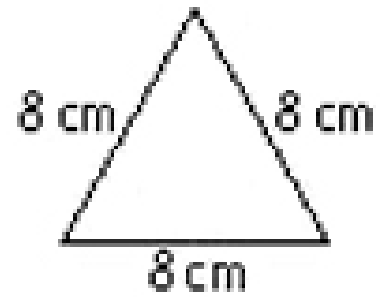5. **All squares are similar to each other.**

(A) True

(B) False

6. **Classify the following triangle by its side lengths.**

(A) acute triangle

(B) right triangle

(C) obtuse triangle

(D) isosceles

7. Classify the following triangle by the measurement of the sides.

(A) equilateral
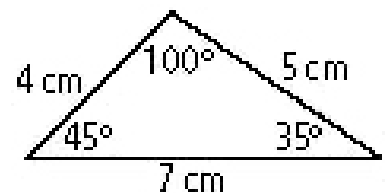
(B) isosceles

(C) scalene

(D) acute

8. Classify the following triangle in two ways.

(A) right, scalene triangle

(B) right, isosceles triangle

(C) acute, isosceles triangle

(D) obtuse, scalene triangle

9. Classify the following triangle in two ways.

(A) acute, scalene triangle

(B) obtuse, scalene triangle

(C) right, isosceles triangle

(D) acute, isosceles triangle

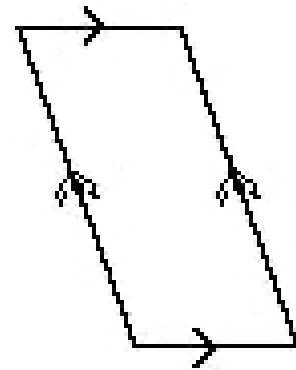10. Which of the following figures is NOT a quadrilateral?

(A) square

(B) rectangle

(C) trapezoid

(D) pentagon

11. I have four equal sides but no right angles. What quadrilateral am I?

(A) rhombus

(B) square

(C) kite

(D) rectangle

12. **Classify the following quadrilateral.**

(A) rhombus

(B) kite

(C) **parallelogram**

(D) trapezoid

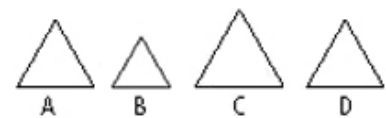13. **I have no equal sides and have one pair of opposite sides that are parallel. What type of quadrilateral am I?**

(A) parallelogram

(B) rhombus

(C) **trapezoid**

(D) kite

14. **I have two pairs of opposite sides that are parallel. I have no right angles. All of my sides are equal length. What type of quadrilateral am I?**

(A) kite

(B) **rhombus**

(C) parallelogram

(D) square

15. **Which of the following shapes are congruent?**

(A) A and B

(B) C and D

(C) B and C
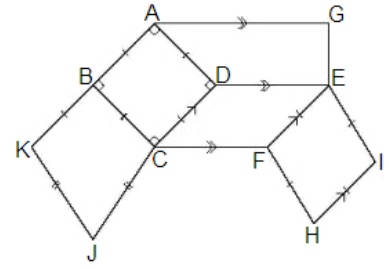
(D) **A and D**

16. **A point where two sides of a figure meet is called a**

(A) ray

(B) radius

(C) perpendicular
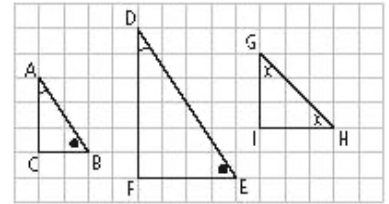
(D) **vertex**

17. **Figure FEIH is what type of two dimensional shape?**

(A) square

(B) kite
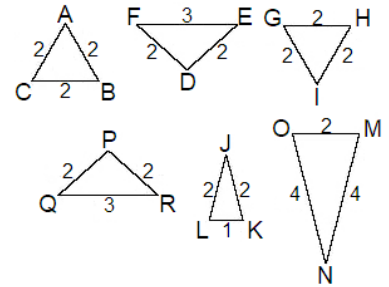
(C) rhombus

(D) trapezoid

18. **Figure ABC and Figure DEF are**

(A) congruent

(B) similar

(C) dissimilar

(D) the plans for Farmer Brown's next tattoo

19. **How many pairs of triangles are congruent in the image below?**

(A) 1

(B) 2

(C) 3

(D) none

20. **These triangles are**

(A) not similar

(B) congruent

(C) obtuse

(D) similar