

Geometry

Worksheet: Classifying Triangles

Name _____

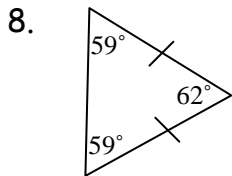
Date _____ Period ____

Match each triangle with its description.

- _____ 1. Side lengths: 2cm, 3cm, 4cm
- _____ 2. Side lengths: 3 cm, 2cm, 3cm
- _____ 3. Side lengths: 1cm, 4cm, 5cm
- _____ 4. Side lengths: 4cm, 4cm, 4cm
- _____ 5. Angle measures: 60° , 60° , 60°
- _____ 6. Angle measures: 30° , 60° , 90°
- _____ 7. Angle measures: 20° , 145° , 15°

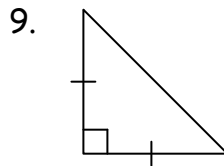
- A. Equilateral
- B. Scalene
- C. Obtuse
- D. Not a triangle
- E. Equiangular
- F. Isosceles
- G. Right

Classify each triangle by its angles and by its sides.



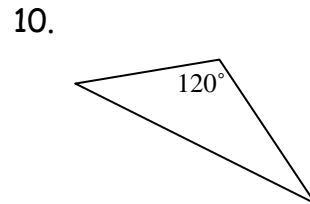
Sides: _____

Angles: _____



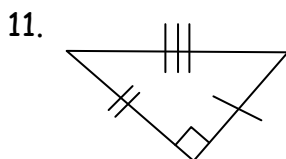
Sides: _____

Angles: _____



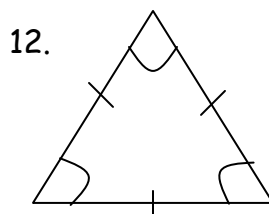
Sides: _____

Angles: _____



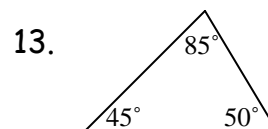
Sides: _____

Angles: _____



Sides: _____

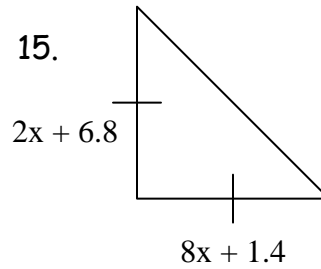
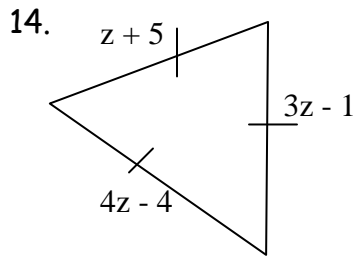
Angles: _____



Sides: _____

Angles: _____

Find the side lengths of each triangle.



16. An isosceles triangle has a perimeter of 34 cm. The congruent sides measure $(4x - 1)$ cm. The length of the third side is x cm. Find x .

Choose the best possible answer.

17. What is the side length of an equilateral triangle with a perimeter of $36\frac{2}{3}$ in?

- A. $36\frac{2}{3}$ in. B. $18\frac{1}{3}$ in. C. $12\frac{1}{3}$ in. D. $12\frac{2}{9}$ in.

18. Which of the following is NOT a correct classification of $\triangle LMN$??

- A. Acute B. Equiangular C. Isosceles D. Right

