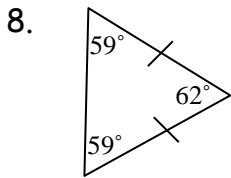


Match each triangle with its description.

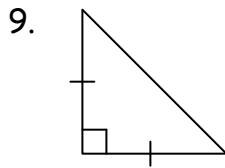
- | | |
|--|-------------------|
| _____ 1. Side lengths: 2cm, 3cm, 4cm | A. Equilateral |
| _____ 2. Side lengths: 3 cm, 2cm, 3cm | B. Scalene |
| _____ 3. Side lengths: 1cm, 4cm, 5cm | C. Obtuse |
| _____ 4. Side lengths: 4cm, 4cm, 4cm | D. Not a triangle |
| _____ 5. Angle measures: $60^\circ, 60^\circ, 60^\circ$ | E. Equiangular |
| _____ 6. Angle measures: $30^\circ, 60^\circ, 90^\circ$ | F. Isosceles |
| _____ 7. Angle measures: $20^\circ, 145^\circ, 15^\circ$ | G. Right |

Classify each triangle by its angles and by its sides.



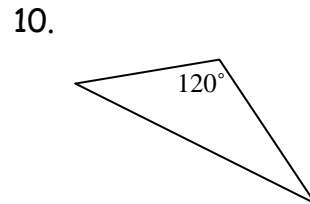
Sides: _____

Angles: _____



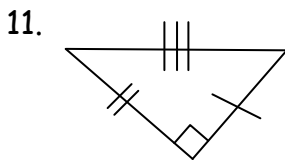
Sides: _____

Angles: _____



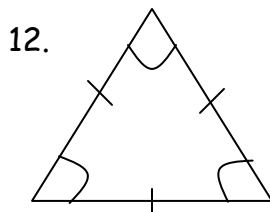
Sides: _____

Angles: _____



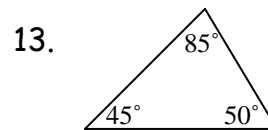
Sides: _____

Angles: _____



Sides: _____

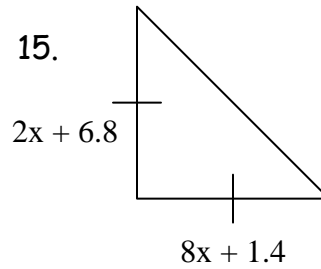
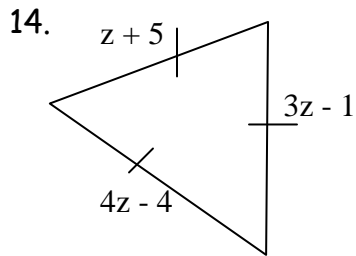
Angles: _____



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

