

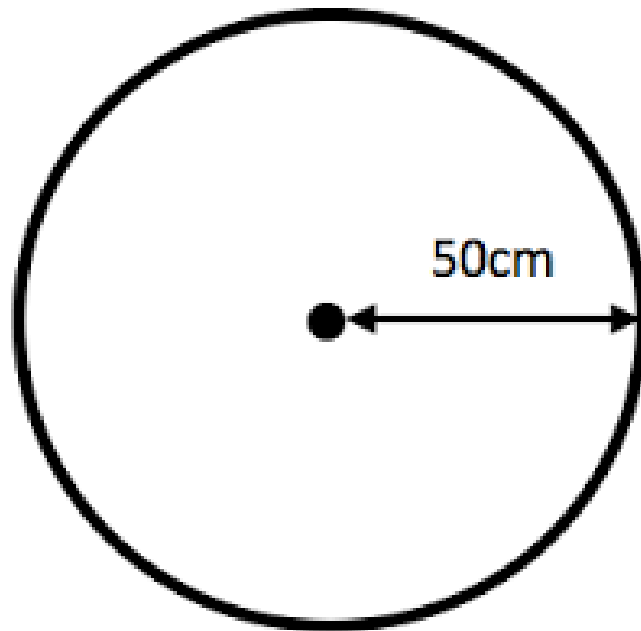
Grade 7
Unit 4 Vocabulary
Part 1

2-Dimensional Geometry

(7.4E, 7.5B, 7.8C, 7.9B, 7.9C, 7.11C)

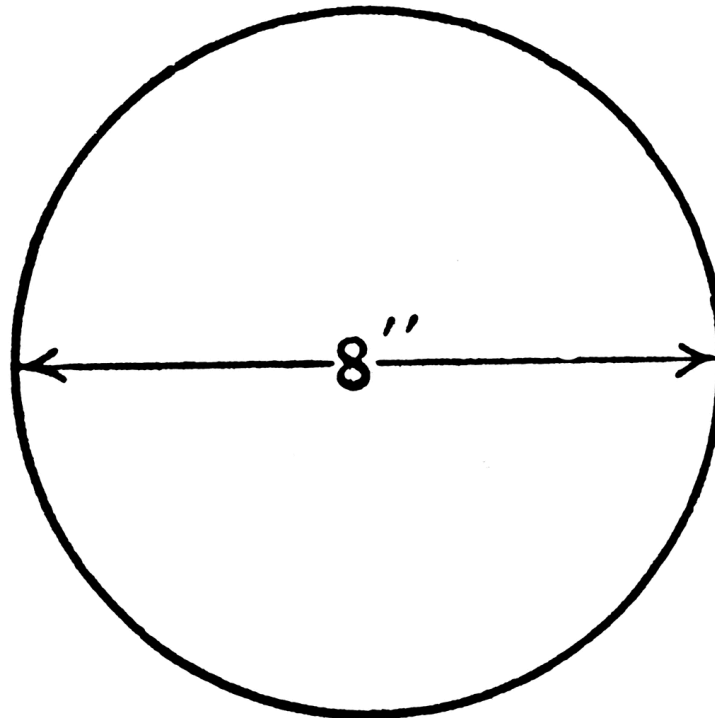
Radius – A line segment drawn from the center of a circle to any point on the circle and is half the length of diameter of the circle.

Half way across a circle.



Diameter – A line segment whose endpoints are on the circle and passes through the center of the circle.

Distance across circle.



Pi (π) – The ratio of the circumference to the diameter of a circle

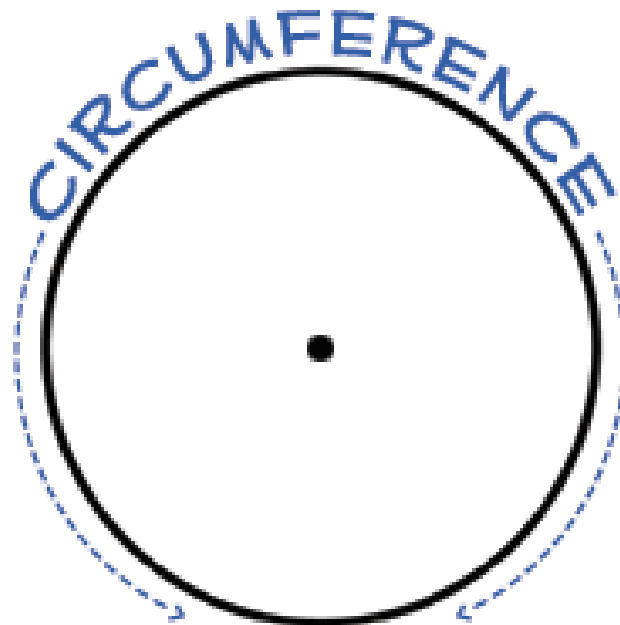
circumference \div diameter

π

3.14
or
 $\frac{22}{7}$

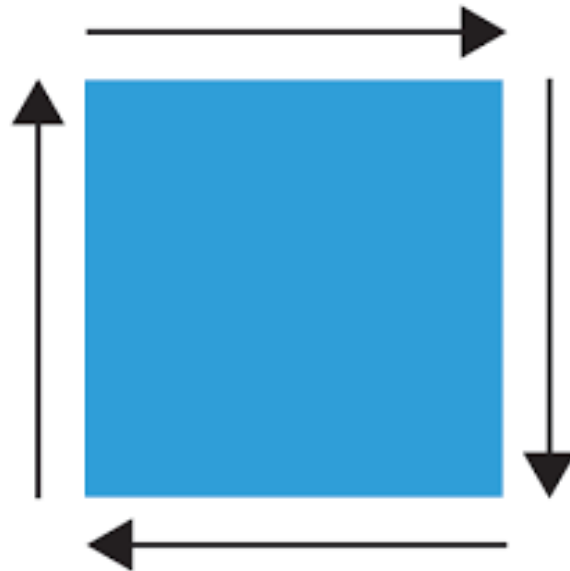
Circumference – A linear measurement of the distance around a circle.

The distance around a circle.



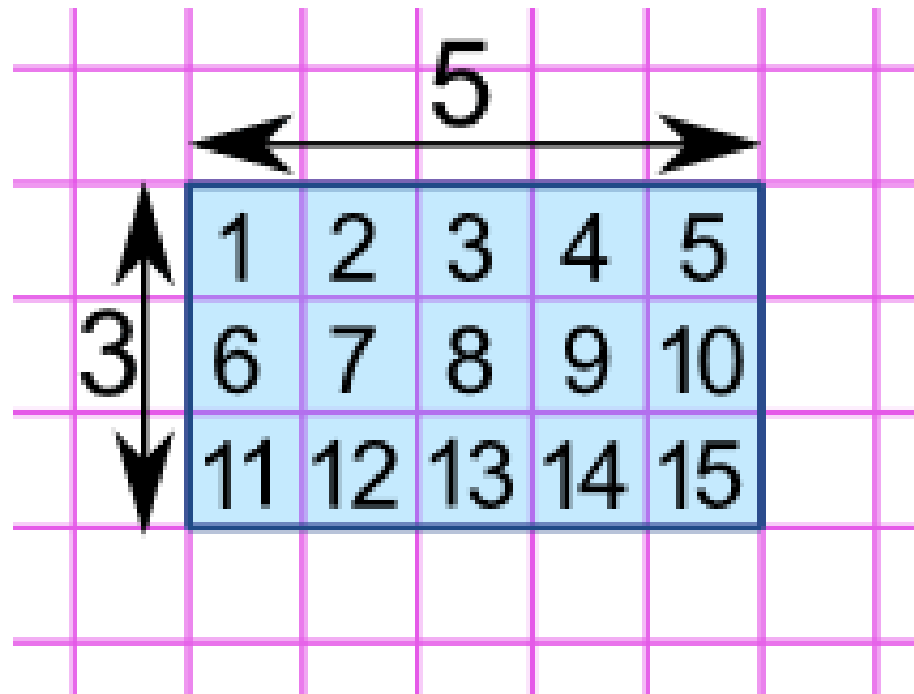
Perimeter – The sum of all the sides measures of a two-dimensional polygon.

Distance around a shape.



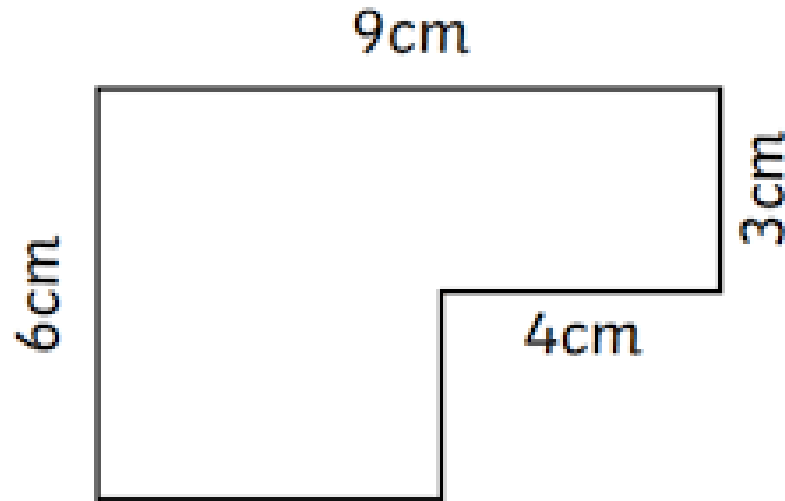
Area – The measurement attribute that describes the number of square units a figure or region covers. Measured in square unit.

Amount to cover a shape.



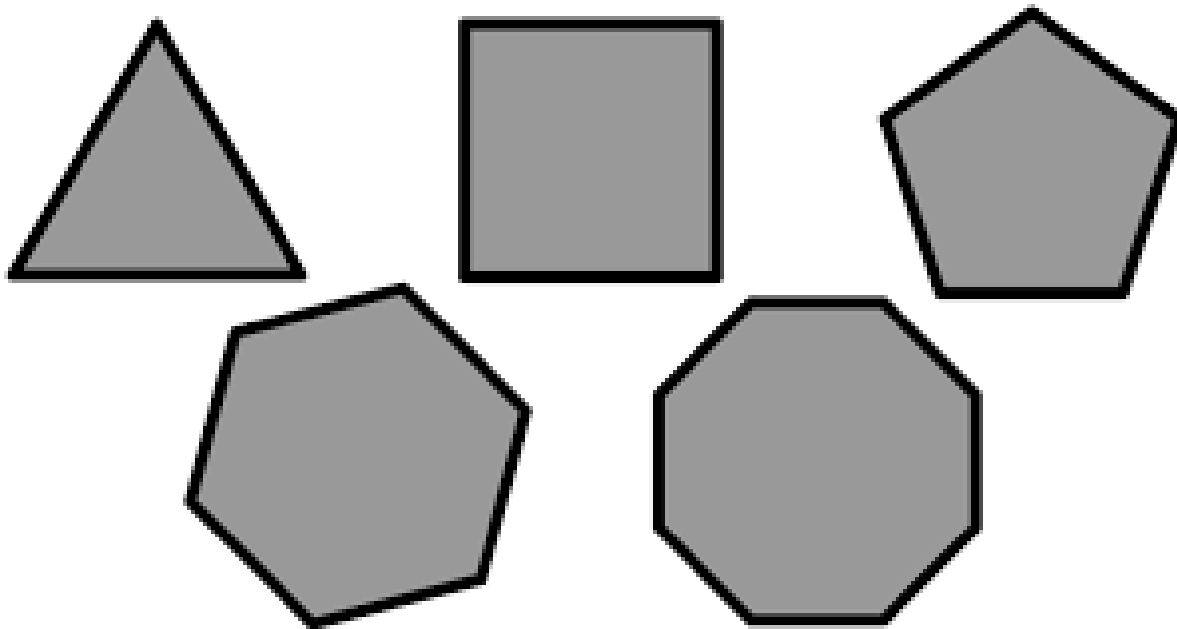
Composite Figure – A figure that is composed of two or more two-dimensional figures.

A shape made up of other shapes.



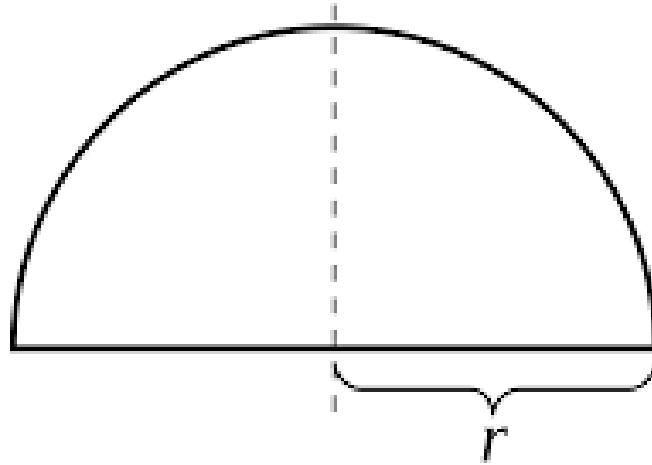
Polygon – A closed figure with at least 3 sides, where all sides are straight (no curves).

A closed 2-D figure with straight sides.



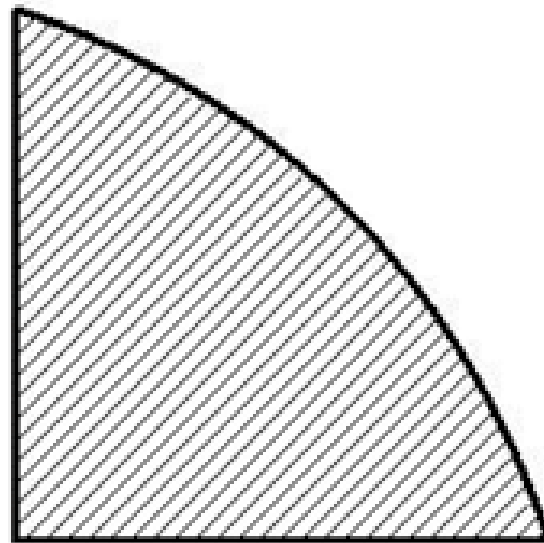
Semi Circle – A half circle, formed by cutting a whole circle along a diameter line, as shown above.

1/2 of a circle.



Quarter Circle – When a circle is divided into four equal parts, each part is called the quarter of a circle.

$\frac{1}{4}$ of a circle.



8cm

Unit 4 Vocabulary

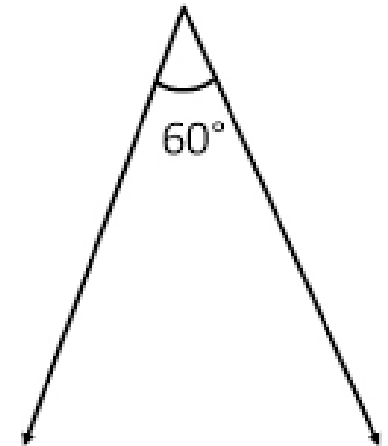
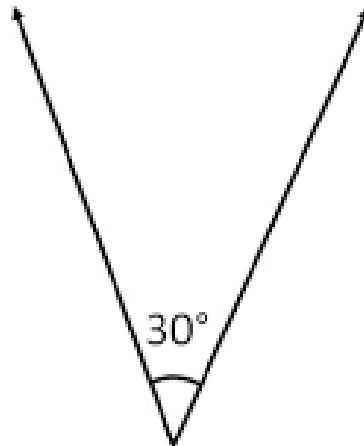
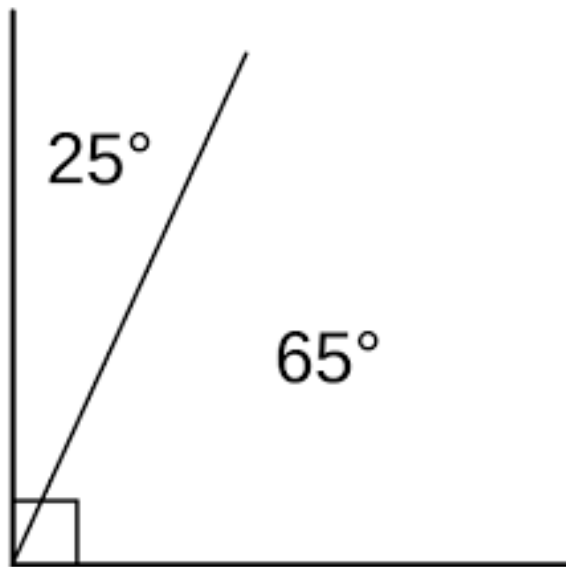
Part 2

2-Dimensional Geometry

(7.4E, 7.5B, 7.8C, 7.9B, 7.9C, 7.11C)

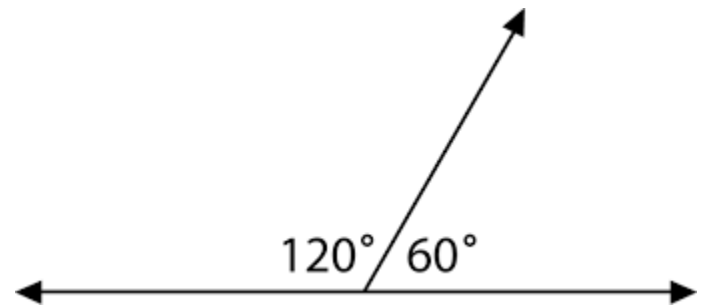
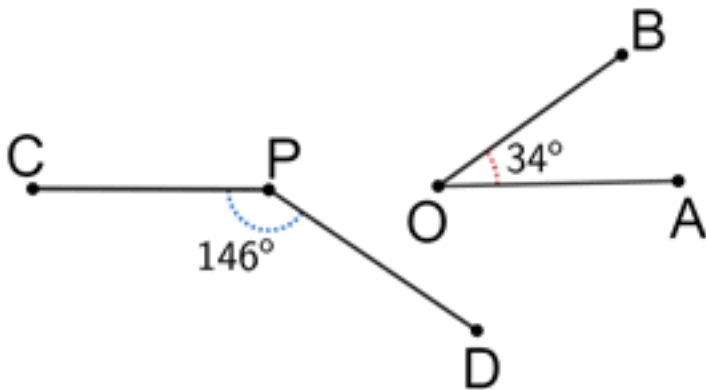
Complementary Angles – Two angles are Complementary when the sum of their measures equals 90 degrees (a Right Angle).

Two angles that add to 90°



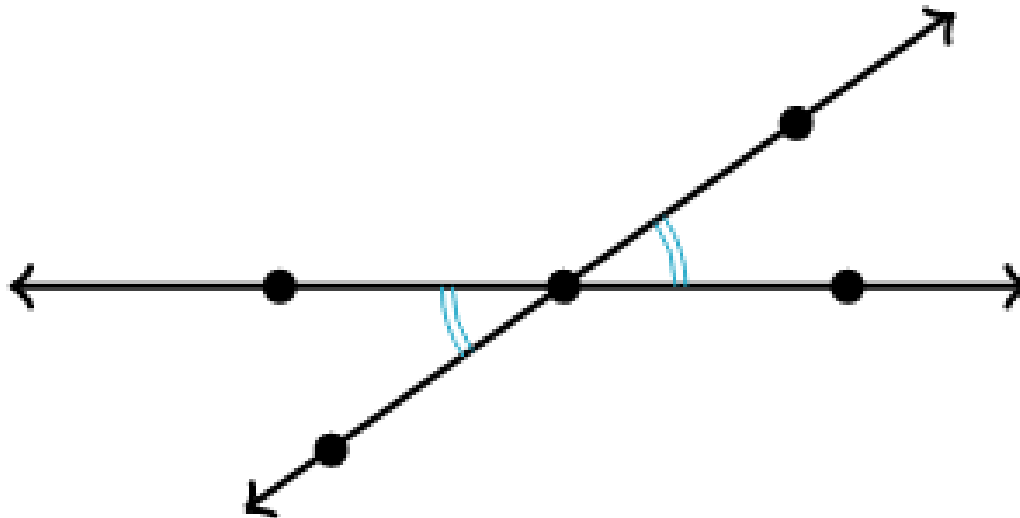
Supplementary Angles – Two angles are Supplementary when the sum of their measures equals 180 degrees (a Right Angle).

Two angles that add to 180°



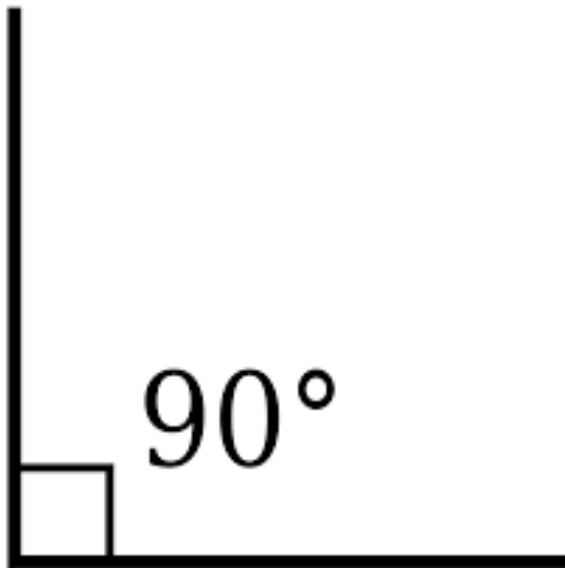
Vertical Angles – The angles opposite each other when two lines cross. They are always equal.

Equal angles across from each other in a X



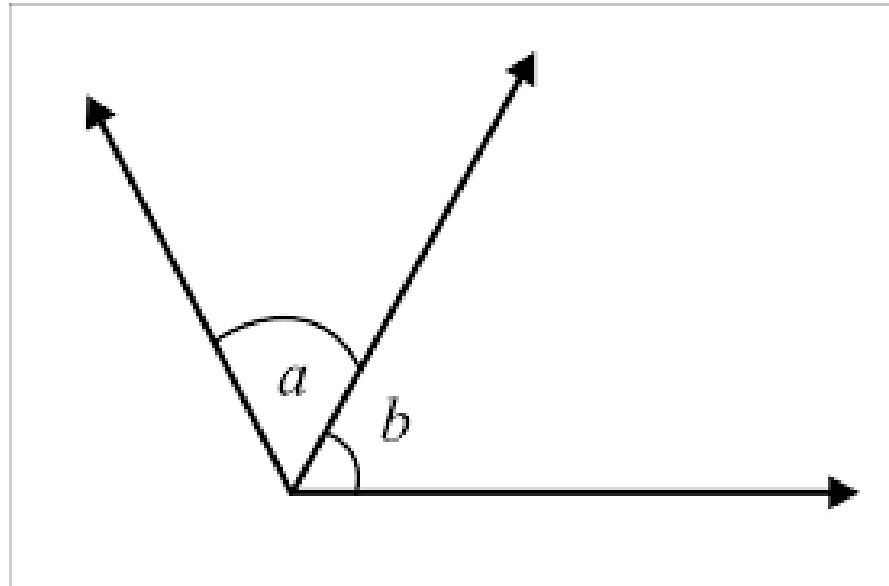
Right Angle – An angle which is equal to 90° ,

90° angle



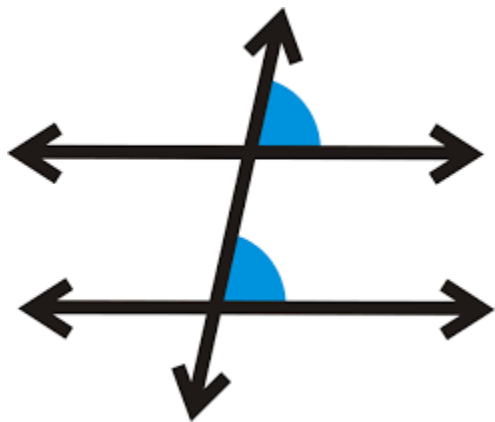
Adjacent Angles – Two angles that have a common side and a common vertex (corner point), and don't overlap.

Angles that are touching

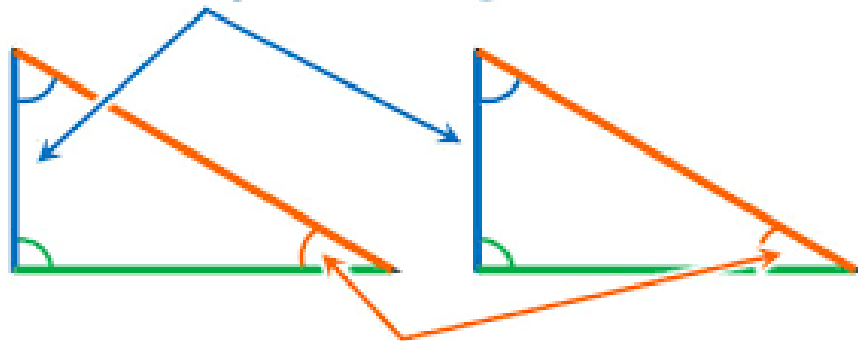


Corresponding – Objects such as angles/sides which appear in the same exact place, in two similar situations.

Angles/Sides in same position



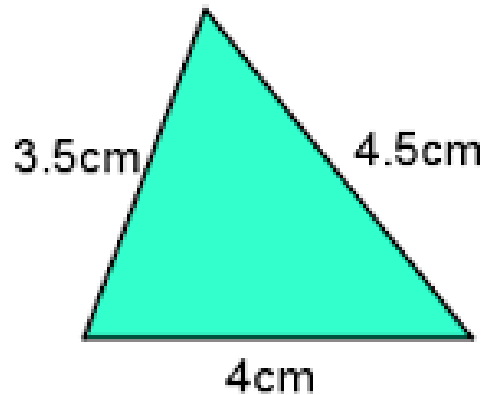
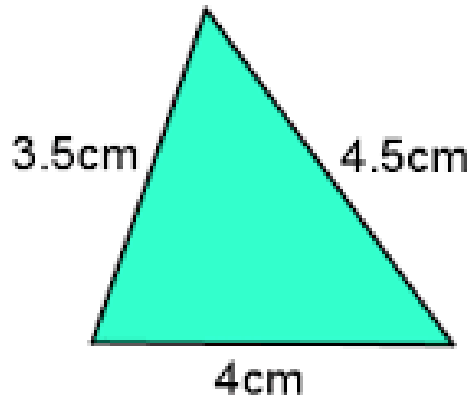
Corresponding sides



Corresponding angles

Congruent – The same shape and size

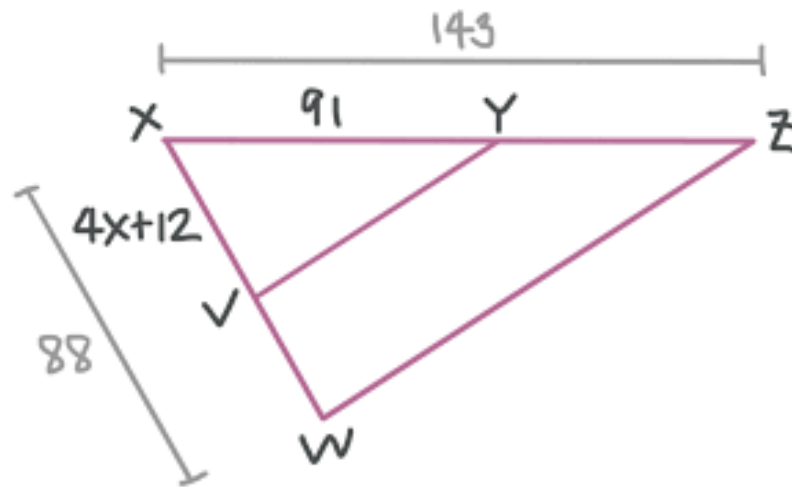
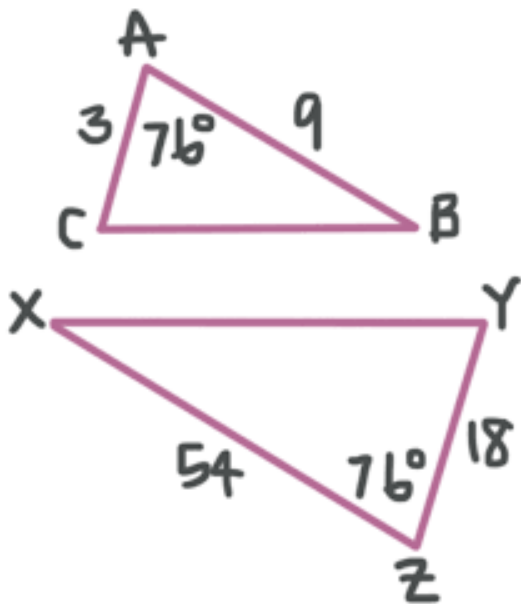
Same size and shape.



Similar Figures – Two figures whose corresponding angles are congruent, and the ratios of the lengths of their corresponding sides are equal.

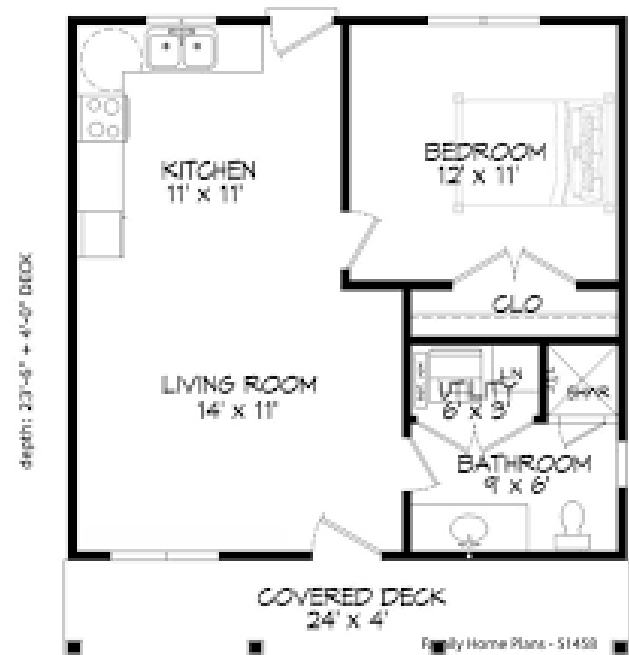
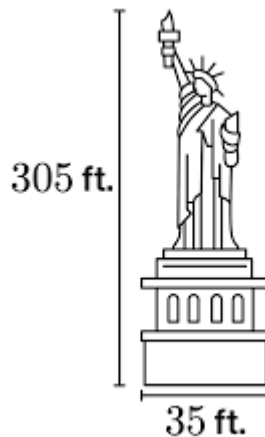


Same shape, different sized



Scale Drawing – A drawing that shows a real object with accurate sizes reduced or enlarged by a certain amount (called the scale).

A map or model of something



Indirect Measurement – The technique of using similar figures and proportions to find a measure that you cannot measure directly.

Using proportions to measure objects/distances

