

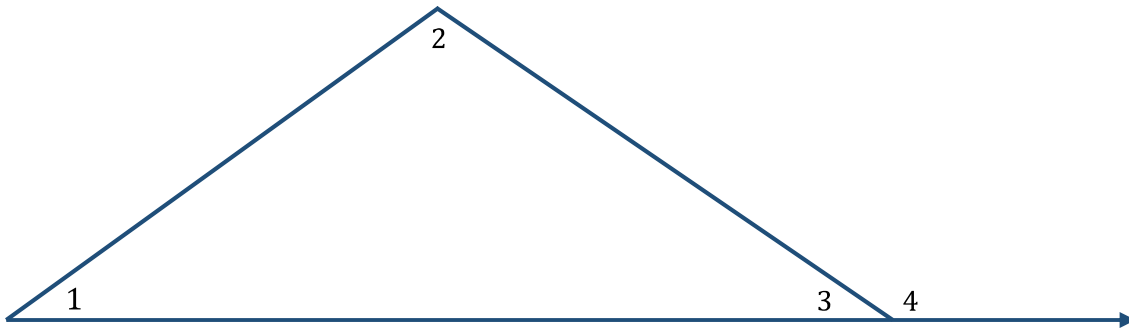
1.4 Exterior Angles of Triangles

Warm-Up

1. What is the sum of the interior angles of a triangle?
2. List 3 angle measurements of a scalene triangle.
3. List 3 angle measurements of an isosceles triangle.
4. List 3 angle measurements of an equilateral triangle.

Main Topic Exterior Angle Theorem

Use a protractor to measure each angle.



What is $m\angle 1$?

What is $m\angle 2$?

What is $m\angle 3$?

What is $m\angle 4$?

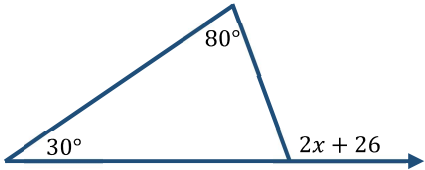
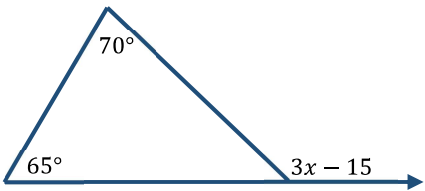
Which pair of interior angles equal to the measure of angle 4?

Exterior Angle Theorem

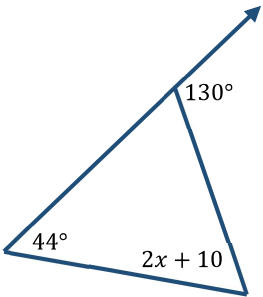
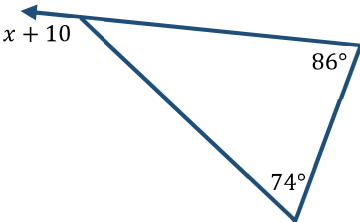
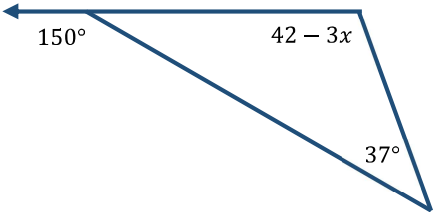
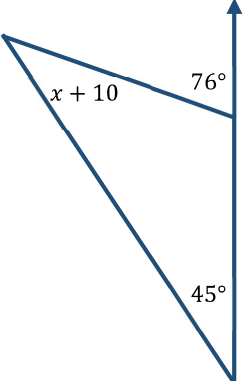
Exterior Angle Theorem states that the sum between _____ and _____ is equal to the measure of the _____ angle.

Exterior Angle Theorem Cutouts

Show two different equations to solve for x.

	Equation 1	Equation 2
	Equation 1	Equation 2

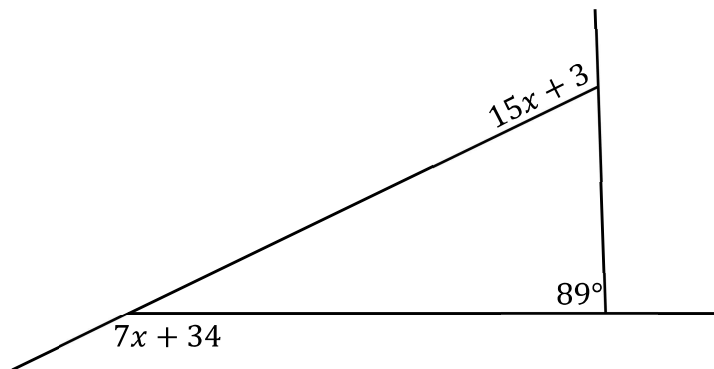
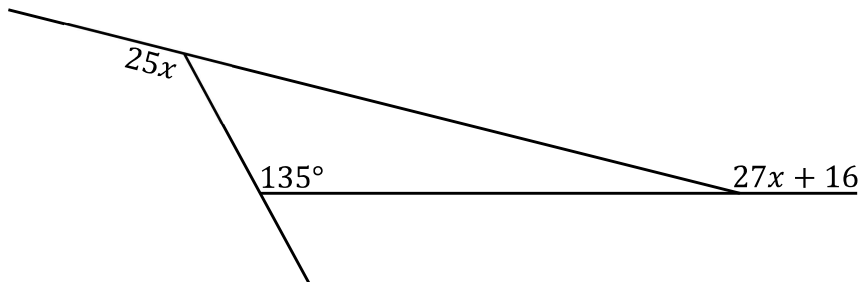
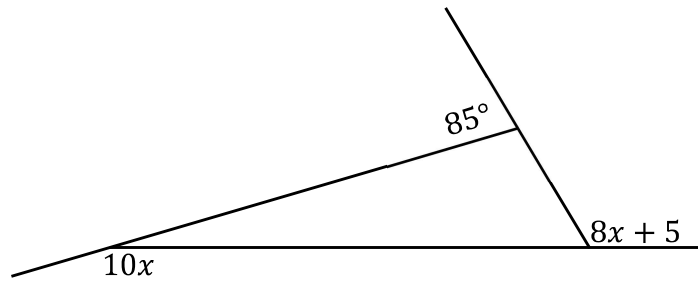
Solve for x then find the measure of each angle.

Main Topic Exterior Angles of Triangles

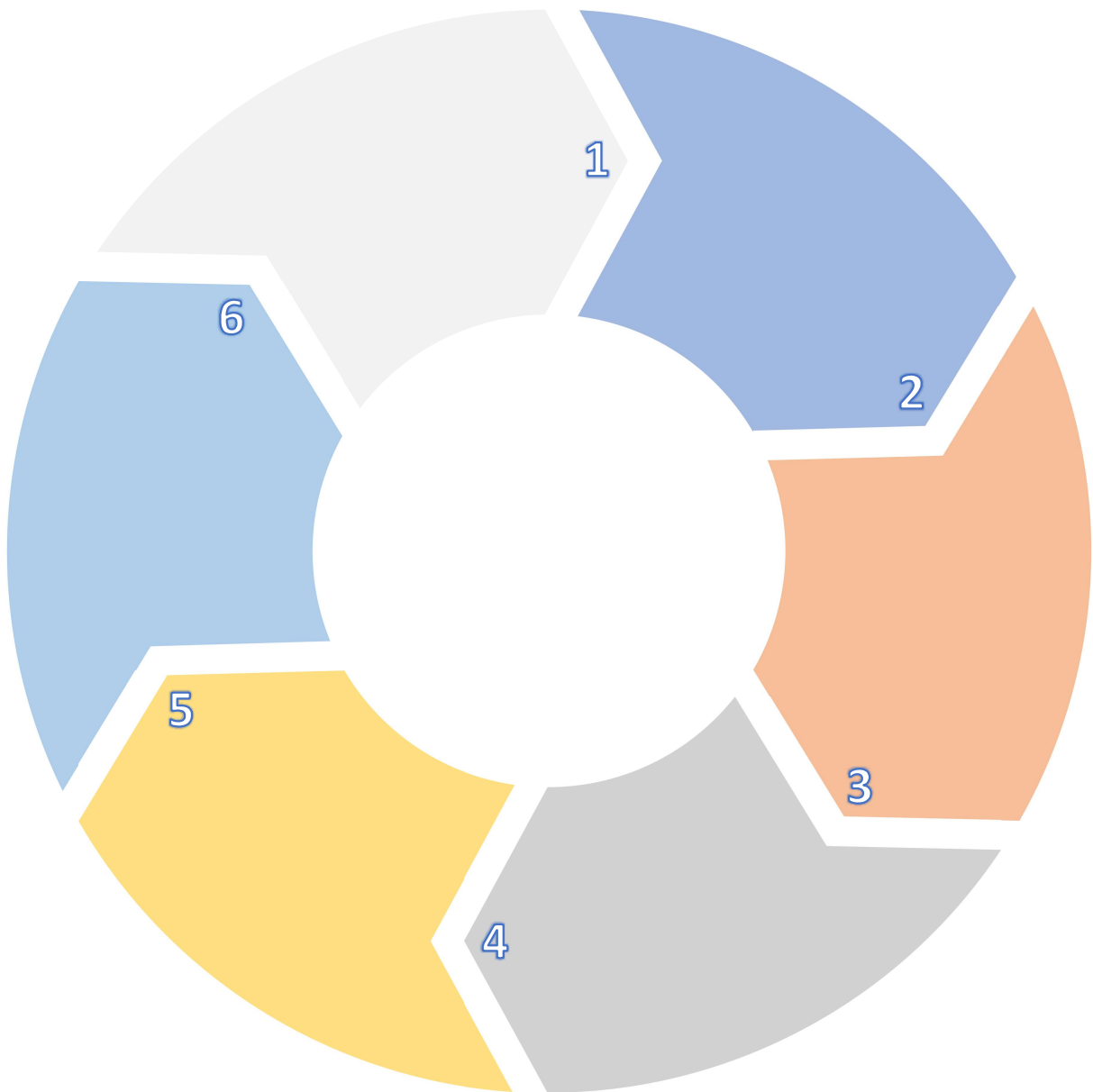
Exterior Angles Cutouts

Solve for x . Round to the nearest tenth.



Scavenger Hunt

Answer the questions in each station. Compare your work with a partner.



End-of-Course Prep

