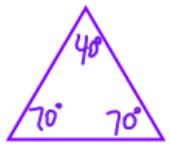
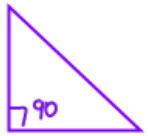
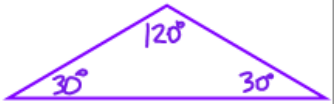
Lesson 5-3

acute triangle	Decode
Definition 3 angles less than 90°	Example 

right triangle	Decode
Definition has 1 90° angle	Example 

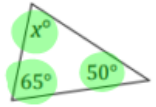
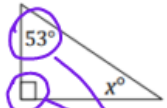
obtuse triangle	Decode
Definition has 1 angle greater than 90°	Example 

*angles of a triangle add up to 180°

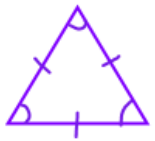
Lesson 5-3

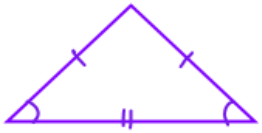
Example 1: Finding an Unknown Angle

Find the unknown angle measure.

I Do	We Do	You Do
		
$x+65+50=180$ $x+115=180$ -115 $x=65°$	$2x+25=180$ -25 $\frac{2x}{2}=\frac{155°}{2}$ $x=77.5°$	180 -90 90 -53 $37°$

Lesson 5-3

equilateral triangle	Decode
Definition 3 equal angles AND 3 equal sides	Example 

isosceles triangle	Decode
Definition 2 equal angles AND 2 equal sides	Example 

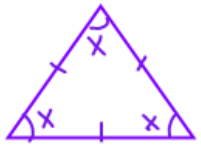
scalene triangle	Decode
Definition No equal angles OR sides	Example 

Lesson 5-3

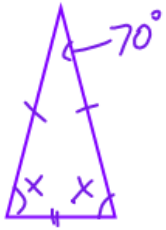
Example 2: Finding an Unknown Angle

Find the unknown angle measure.

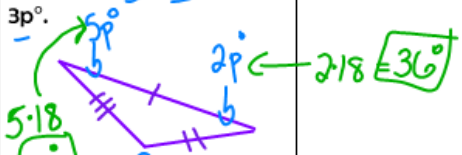
I Do	We Do	You Do
Find the angle measure in an equilateral triangle.	Find the angle measure in an isosceles triangle if the one unequal angle is 70 degrees.	Find the angle measure in a scalene triangle if the angles are 5p°, 2p°, and 3p°.



$180 \div 3 = 60°$



$2x + 70 = 180$
-70
$\frac{2x}{2} = \frac{110}{2}$
$x = 55°$



$\frac{10p}{10} = \frac{180°}{10}$
$p = 18$