

Mrs. Peden

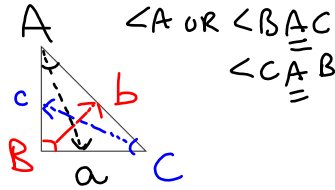
Name: \_\_\_\_\_

**Things you need to know for the next Unit**

**Labelling Triangles:**

**Angles:** use capital letters

**Sides:** Use small letters and are opposite its angle



**Classifying Triangles**

1. **By sides:** Equilateral, Isosceles, and Scalene

all sides equal  
 all angles equal  
 $180 \div 3 = 60^\circ$

2 sides equal  
 2 angles "

no equal side or angles

\*Every triangles angles add to  $180^\circ$ !

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2. **By angles found within the triangles:** Acute, Right and Obtuse

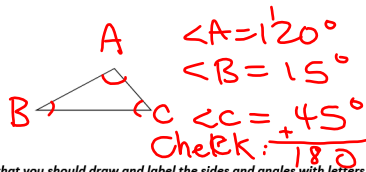
Recall Angles:

Right Angle:  $90^\circ$ , rep  $\llcorner$  "box"

Acute Angles: less than  $90^\circ$

Obtuse Angles: more "  $90^\circ$

Right angle  $\Delta$



**WORK:** p 48 # 1- adding that you should draw and label the sides and angles with letters for each triangle.

Know  $\angle A + \angle B + \angle C = 180$   
 $180 - 120 - 15 =$

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$4^2 = 4 \times 4$  Squared and Square Roots:  
Squared: a number multiplied by itself  
Square Root: opposite of squared " $\sqrt{\quad}$ "

\*\*\*You should work to know the squared value of numbers 1-12 by heart so that when asked the square root of that number, you know it without your calculator\*\*\*

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Work: Create a table with numbers 1-15 squared and then square root

Doubles Multiplication	Perfect Square Roots
$1 \times 1 = 1$	$\sqrt{1} = 1$
$2 \times 2 = 4$	$\sqrt{4} = 2$
$3 \times 3 = 9$	$\sqrt{9} = 3$
$4 \times 4 = 16$	$\sqrt{16} = 4$
$5 \times 5 = 25$	$\sqrt{25} = 5$
$6 \times 6 = 36$	$\sqrt{36} = 6$
$7 \times 7 = 49$	$\sqrt{49} = 7$
$8 \times 8 = 64$	$\sqrt{64} = 8$
$9 \times 9 = 81$	$\sqrt{81} = 9$
$10 \times 10 = 100$	$\sqrt{100} = 10$
$11 \times 11 = 121$	$\sqrt{121} = 11$
$12 \times 12 = 144$	$\sqrt{144} = 12$
$13 \times 13 = 169$	$\sqrt{169} = 13$
$14 \times 14 = 196$	$\sqrt{196} = 14$
$15 \times 15 = 225$	$\sqrt{225} = 15$

↑  
perfect square

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WORK: p 49# 5-6 and the triangles below (find the area and perimeter)

a)



b)



c)

