

NCTM Content Standards Assessment Rubric



Geometry

Student's Name: _____ Assignment: _____ Level: _____

	Level 1	Level 2	Level 3	Level 4
Understanding Numbers, Ways of Representing Numbers, Relationships Among Number Systems	<ul style="list-style-type: none"> Demonstrates a limited understanding of numbers, ways of representing numbers and relationships among number systems 	<ul style="list-style-type: none"> Demonstrates a basic understanding of numbers, ways of representing numbers and relationships among number systems 	<ul style="list-style-type: none"> Demonstrates a good understanding of numbers, ways of representing numbers and relationships among number systems 	<ul style="list-style-type: none"> Demonstrates a thorough understanding of numbers, ways of representing numbers and relationships among number systems
Understanding Meanings of Operations and How They Relate to One Another	<ul style="list-style-type: none"> Demonstrates a limited understanding of the meanings of operations and how they relate to one another 	<ul style="list-style-type: none"> Demonstrates a basic understanding of the meanings of operations and how they relate to one another 	<ul style="list-style-type: none"> Demonstrates a good understanding of the meanings of operations and how they relate to one another 	<ul style="list-style-type: none"> Demonstrates a thorough understanding of the meanings of operations and how they relate to one another
Computing and Making Estimates	<ul style="list-style-type: none"> Demonstrates limited ability in computing and making estimates 	<ul style="list-style-type: none"> Demonstrates some ability in computing and making estimates 	<ul style="list-style-type: none"> Demonstrates a satisfactory ability in computing and making estimates 	<ul style="list-style-type: none"> Demonstrates strong ability in computing and making estimates

NEXT STEPS:

WEAKNESSES:

STRENGTHS:

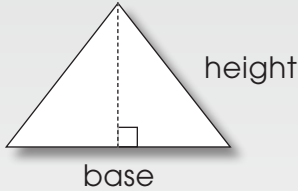
SAMPLE



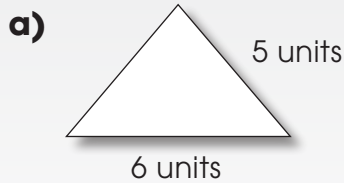
Task Sheet 6

Area of a Triangle

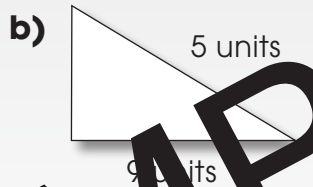
6) To find the area of a triangle, multiply the base by its height and divide by 2. **Area = $\frac{1}{2}$ base x height**



Find the area of the triangles below.



_____ square units



_____ square units



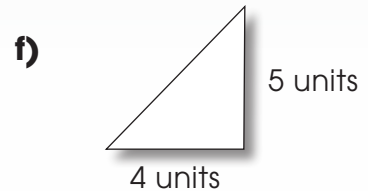
_____ square units



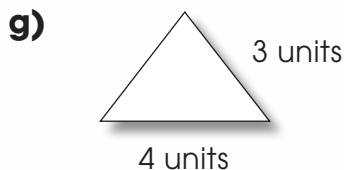
_____ square units



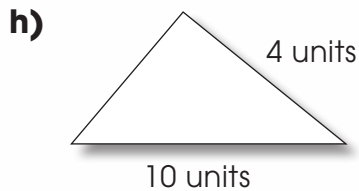
_____ square units



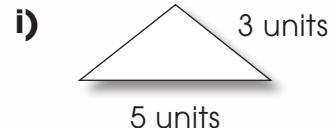
_____ square units



_____ square units



_____ square units



_____ square units

SAMPLE



Review A

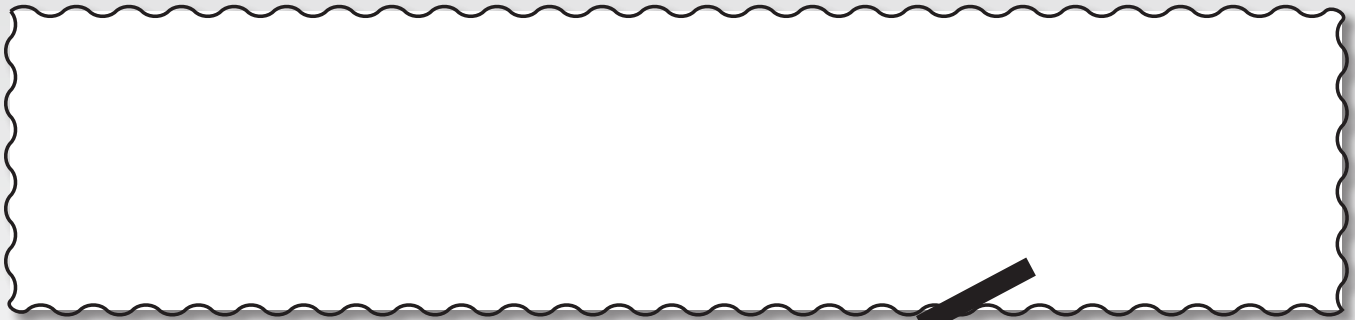


a) Draw each angle.

i) 90°

ii) 35°

iii) 150°



b) What is an acute angle? _____

c) What is a right angle? _____

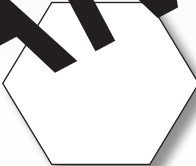
d) What is an obtuse angle? _____

e) Label all the right angles in each shape below.

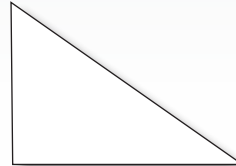
i)



ii)

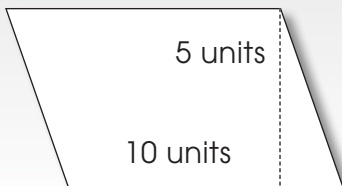


iii)



SAMPLE

f) Find the area of the parallelogram below.



_____ square units

g) Name the two ways of describing a triangle.

Pythagorean Theorem

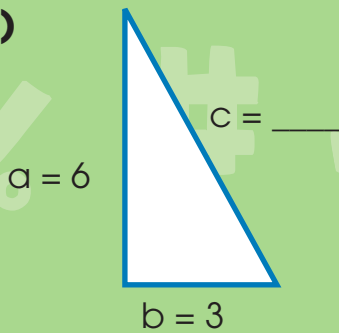


The hypotenuse of a **right triangle** is the side that is opposite the right angle, or the "long side" of the triangle. The other two sides are the "legs" of the triangle.

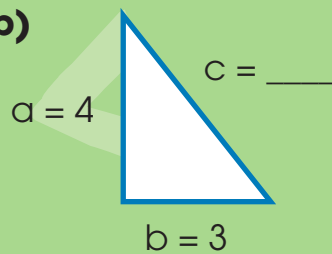
The theory is $a^2 + b^2 = c^2$ (c^2 is the hypotenuse)

Find the hypotenuse for the following triangles below.

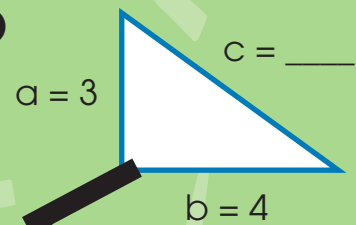
a)



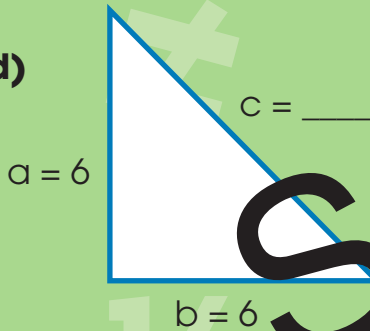
b)



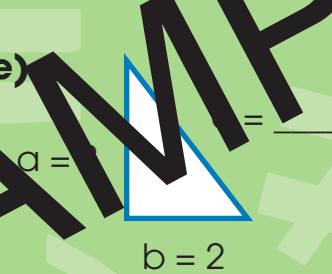
c)



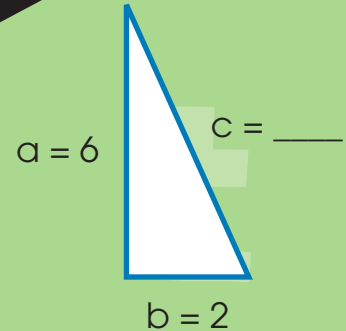
d)



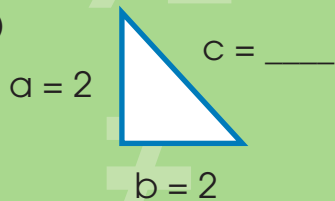
e)



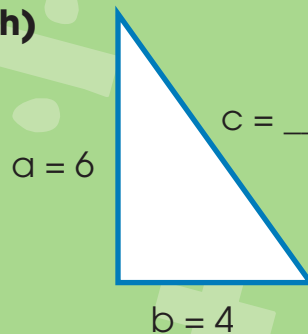
f)



g)



h)



i)

