Name : _____

Triangles

Sheet 2

A) Side measures of the triangle are given. Apply the Pythagorean Inequality to classify each triangle as Acute, Obtuse or Right triangle.

1) 11 ft ; 9 ft ; 7 ft

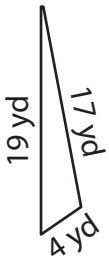
2) 13 yd ; 20 yd ; 15 yd

3) 5 in ; 12 in ; 13 in

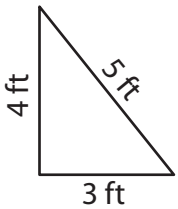
B) Apply the Pythag

Right triangle.

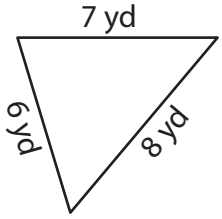
5)



7)



8)



Name : _____

Answer key

Triangles

Sheet 2

A) Side measures of the triangle are given. Apply the Pythagorean Inequality to classify each triangle as Acute, Obtuse or Right triangle.

1) 11 ft ; 9 ft ; 7 ft

$7^2 + 9^2 > 11^2$

Acute Triangle

2) 13 yd ; 20 yd ; 15 yd

$13^2 + 15^2 < 20^2$

Obtuse Triangle

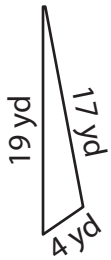
3) 5 in ; 12 in ; 13 in

$12^2 + 5^2 = 13^2$

Right Triangle

B) Apply the Pythag … le as Acute, Obtuse or Right triangle.

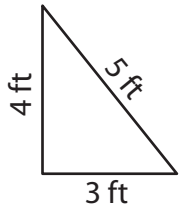
5)



$17^2 + 4^2 < 19^2$

Obtuse Triangle

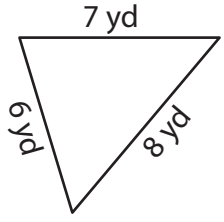
7)



$4^2 + 3^2 = 5^2$

Right Triangle

8)



$6^2 + 7^2 > 8^2$

Acute Triangle