

Name : _____

Triangles

Sheet 1

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

1) 12 in ; 8 in ; 16 in

2) 10 ft ; 26 ft ; 24 ft

3) 19 yd ; 15 yd ; 14 yd

1 in

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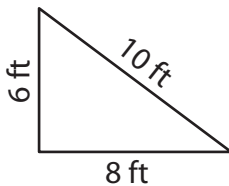
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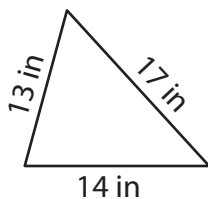
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B) Apply the Pythagorean Inequality to classify each triangle as Acute, Obtuse or Right triangle.

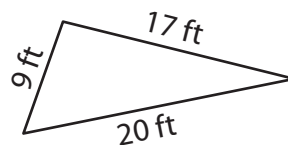
5)



7)



8)



Triangles

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

1) 12 in ; 8 in ; 16 in

2) 10 ft ; 26 ft ; 24 ft

$12^2 + 8^2 < 16^2$

Obtuse Triangle

$10^2 + 24^2 = 26^2$

Right Triangle

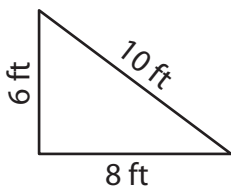
3) 19 yd ; 15 yd ; 14 yd

$15^2 + 14^2 > 19^2$

Acute Triangle

B) Apply the Pythagorean Inequality to classify each triangle as Acute, Obtuse or Right triangle.

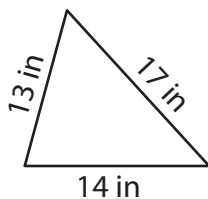
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$6^2 + 8^2 = 10^2$

Right Triangle

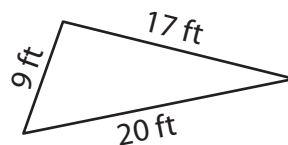
7)



$13^2 + 14^2 > 17^2$

Acute Triangle

8)



$9^2 + 17^2 < 20^2$

Obtuse Triangle

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