Pythagorean Inequality Theorem

Name _____

Score _____

TI:16

The side lengths of the triangle are given. Identify the types of the triangle as acute, Obtuse or right-angled by applying the Pythagorean theorem.

1) 10 mm , 11 mm , 14 mm

_____

2) 13 cm , 15 cm , 21 cm

_____

3) 9 m , 40 m , 41 m

_____

4) 17 mm , 14 mm , 23 mm

_____

5) 3 m , 5 m , 7 m

_____

6) 5 mm , 12 mm , 13 mm

_____

7) 7 cm , 9 cm , 10 cm

_____

8) 3 cm , 4 cm , 5 cm

_____

Pythagorean Inequality Theorem

Name _____

Score _____

Answer key

TI:16

The side lengths of the triangle are given. Identify the types of the triangle as acute, Obtuse or right-angled by applying the Pythagorean theorem.

1) 10 mm , 11 mm , 14 mm

Acute triangle

2) 13 cm , 15 cm , 21 cm

Obtuse triangle

3) 9 m , 40 m , 41 m

Right triangle

4) 17 mm , 14 mm , 23 mm

Obtuse triangle

5) 3 m , 5 m , 7 m

Obtuse triangle

6) 5 mm , 12 mm , 13 mm

Right triangle

7) 7 cm , 9 cm , 10 cm

Acute triangle

8) 3 cm , 4 cm , 5 cm

Right triangle