Pythagorean Inequality Theorem

Name _____

Score _____

TI:17

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) 9 cm , 12 cm , 15 cm

_____

2) 17 m , 19 m , 24 m

_____

3) 2 mm , 4 mm , 5 mm

_____

4) 15 cm , 20 cm , 25 cm

_____

5) 7 mm , 8 mm , 10 mm

_____

6) 6 cm , 11 cm , 18 cm

_____

7) 16 m , 30 m , 34 m

_____

8) 10 mm , 11 mm , 12 mm

_____

Pythagorean Inequality Theorem

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Score _____

Answer key

TI:17

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) 9 cm , 12 cm , 15 cm

Right triangle

2) 17 m , 19 m , 24 m

Acute triangle

3) 2 mm , 4 mm , 5 mm

Obtuse triangle

4) 15 cm , 20 cm , 25 cm

Right triangle

5) 7 mm , 8 mm , 10 mm

Acute triangle

6) 6 cm , 11 cm , 18 cm

Obtuse triangle

7) 16 m , 30 m , 34 m

Right triangle

8) 10 mm , 11 mm , 12 mm

Acute triangle