

output.txt

Circle

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Radius: 75.0

Area: 17671.44375

Circumference: 471.2385

Rectangle

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Length: 30.0

Height: 40.0

Area: 1200.0

Perimeter: 140.0

Diagonal: 50.0

Square

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Side: 50.0

Length: 50.0

Height: 50.0

Area: 2500.0

Perimeter: 200.0

Diagonal: 70.71067811865476

New Square

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Side: 10.0

Length: 10.0

Height: 10.0

Area: 100.0

Perimeter: 40.0

Diagonal: 14.142135623730951

Triangle

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Side: 37.0

Perimeter: 111.0

New Triangle

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Side: 10.0

Perimeter: 30.0