Notes: **AREA & PERIMETER OF TRIANGLES**
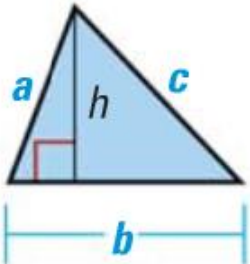
Content Objective*:* I will be able to calculate both the perimeter and area of triangles given the side lengths and/or the altitude.

Record the appropriate formulas in the table below:

	DIAGRAM	AREA	PERIMETER
TRIANGLE			

For Examples # 1 – 2, use the appropriate formulas to determine each of the indicated measures.

EXAMPLE 1*:*

Base = _____ inches

Height = _____ inches

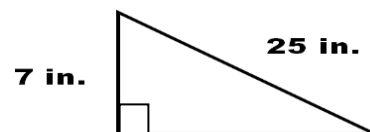Area = _____ inches^2

Perimeter = _____ inches

14 in.

48 in.

QUICK CHECK:

Base = _____

Height = _____

Area = _____

Perimeter = _____

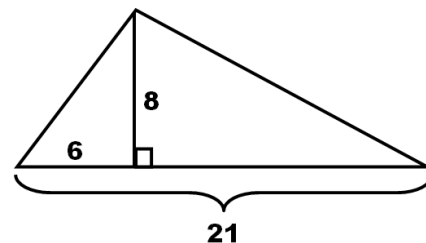**25 in.**

7 in.
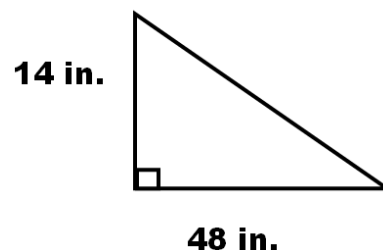
EXAMPLE 2*:*

Base = _____ units

Height = _____ units

Area = _____ units^2

Perimeter = _____ units

8

6

21

QUICK CHECK:

Base = _____

Height = _____

Area = _____

Perimeter = _____

13 ft

15 ft

12 ft
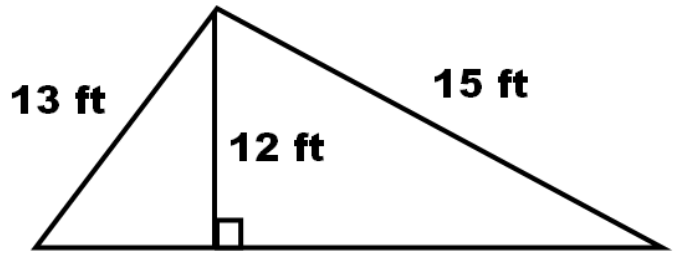
For Examples 3 – 5, record the EXACT and APPROXIMATE answers rounded to the tenth place

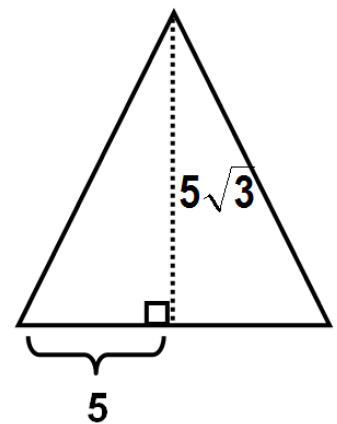**EXAMPLE 3**:

Base = _____ units

Height = _____ units

Height ≈ _____ units

Area = _____ units^2

Area ≈ _____ units^2

Perimeter = _____ units

6   6

2

QUICK CHECK:

Base = _____

Height = _____

Height ≈ _____

Area = _____

Area ≈ _____

Perimeter = _____

$5\sqrt{3}$
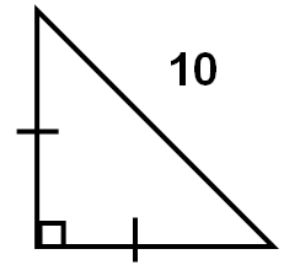
5
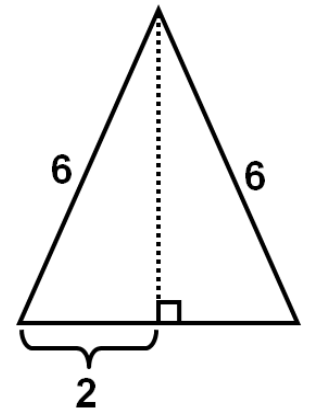
EXAMPLE 4:

Base = _____ units

Base ≈ _____ units

Height = _____ units

Height ≈ _____ units

Area = _____ units²

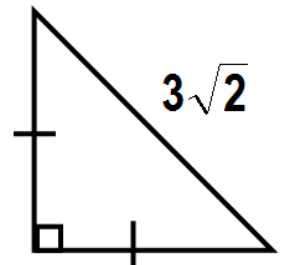Perimeter = _____ units

Perimeter ≈ _____ units

QUICK CHECK:

Base = _____

Height = _____

Area = _____

Perimeter = _____
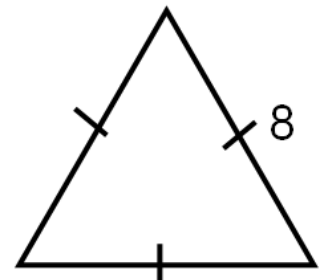
Perimeter ≈ _____

EXAMPLE 5:

Base = _____ units

Height = _____ units

Height ≈ _____ units

Area = _____ units²

Area ≈ _____ units²
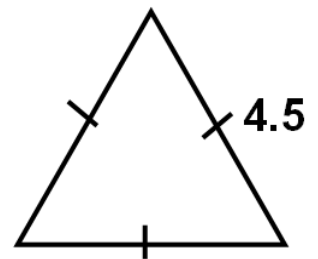
Perimeter = _____ units

QUICK CHECK:
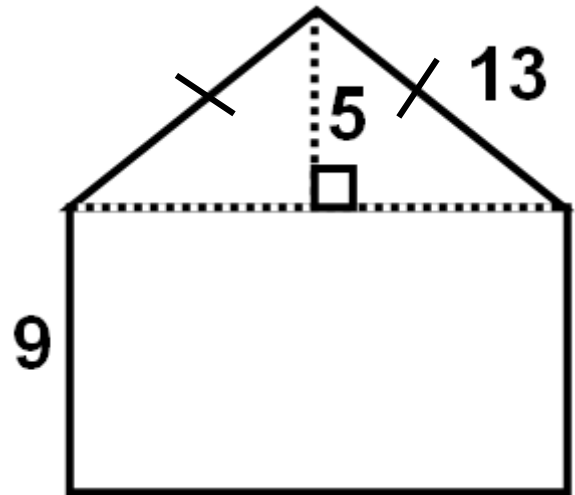
Base = _____

Height = _____

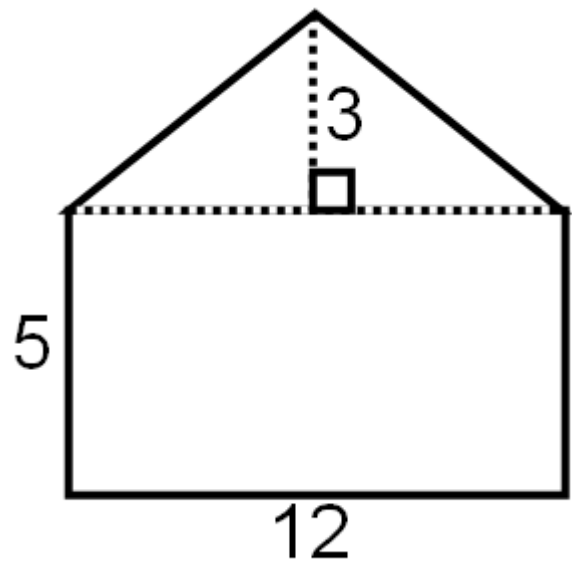Height ≈ _____

Area = _____

Area ≈ _____

Perimeter = _____

Determine the area of the composite figures.

EXAMPLE 6:

$A=$ _____units^2

QUICK CHECK:

$A=$ _____