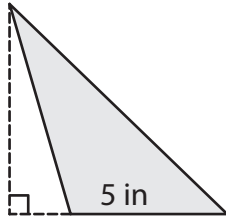


Name : _____

Triangle - Finding Base/Height

A) Find the missing measure of each triangle. Round your answer to two decimal places.

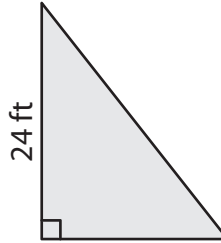
1)



$$\text{Area} = 15 \text{ in}^2$$

height = _____

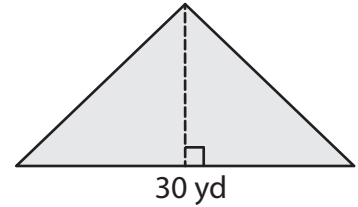
2)



$$\text{Area} = 217 \text{ ft}^2$$

base = _____

3)



$$\text{Area} = 225 \text{ yd}^2$$

height = _____

B) Find the missing measure of each triangle for the given measurements. Round your answer to two decimal places.

4) Area = 717 ft^2 , height = 35 ft

base = _____

5) Area = 397 yd^2 , base = 15 yd

height = _____

6) Area = 192 yd^2 , base = 12 yd

height = _____

7) Area = 312 in^2 , height = 24 in

base = _____

8) The area of a triangle is 561 square inches. Determine the height of the triangle, if the base is 51 inches.

9) Find the base of a triangle whose area is 357 square feet and the height is 17 feet.

Name : _____

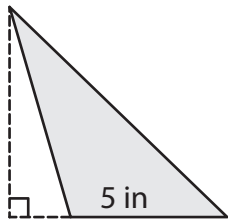
Answer key

Sheet 1

Triangle - Finding Base/Height

A) Find the missing measure of each triangle. Round your answer to two decimal places.

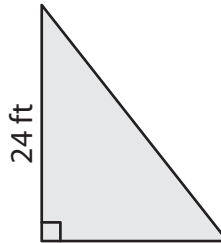
1)



$$\text{Area} = 15 \text{ in}^2$$

$$\text{height} = \underline{\quad \mathbf{6 \text{ in}} \quad}$$

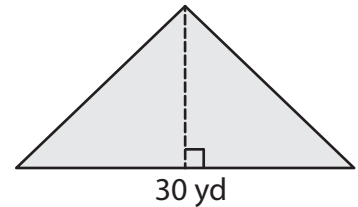
2)



$$\text{Area} = 217 \text{ ft}^2$$

$$\text{base} = \underline{\quad \mathbf{18.08 \text{ ft}} \quad}$$

3)



$$\text{Area} = 225 \text{ yd}^2$$

$$\text{height} = \underline{\quad \mathbf{15 \text{ yd}} \quad}$$

B) Find the missing measure of each triangle for the given measurements. Round your answer to two decimal places.

4) Area = 717 ft^2 , height = 35 ft

$$\text{base} = \underline{\quad \mathbf{40.97 \text{ ft}} \quad}$$

5) Area = 397 yd^2 , base = 15 yd

$$\text{height} = \underline{\quad \mathbf{52.93 \text{ yd}} \quad}$$

6) Area = 192 yd^2 , base = 12 yd

$$\text{height} = \underline{\quad \mathbf{32 \text{ yd}} \quad}$$

7) Area = 312 in^2 , height = 24 in

$$\text{base} = \underline{\quad \mathbf{26 \text{ in}} \quad}$$

8) The area of a triangle is 561 square inches. Determine the height of the triangle, if the base is 51 inches.

$$\underline{\quad \mathbf{22 \text{ inches}} \quad}$$

9) Find the base of a triangle whose area is 357 square feet and the height is 17 feet.

$$\underline{\quad \mathbf{42 \text{ feet}} \quad}$$