



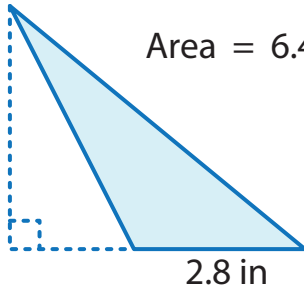
# Finding base / height

Name \_\_\_\_\_

Score \_\_\_\_\_

AT:20

Example : Find the base of given triangle.



$$\text{Area} = \frac{1}{2} \times \text{base}(b) \times \text{height}(h)$$

$$6.44 = \frac{1}{2} \times 2.8 \times h$$

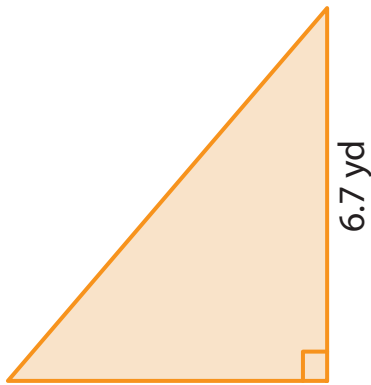
$$12.88 = 2.8h$$

$$h = \frac{12.88}{2.8} = \mathbf{4.6 \text{ in}}$$

b = 2.8 in, h = ?

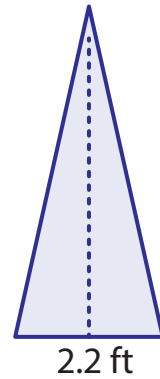
Find the base or height of each triangle.

1) Area = 18.425 yd<sup>2</sup>



Base =

2) Area = 7.04 ft<sup>2</sup>



Height =

1) Area = 2.625 in<sup>2</sup>

Base = 1.5 in

Height =

2) Area = 5.985 yd<sup>2</sup>

Height = 2.1 yd

Base =

Complete the table.

Q.No	Base	Height	Area
1)	6.2 in		10.85 in <sup>2</sup>
2)		7.3 yd	5.84 yd <sup>2</sup>
3)	4.8 ft		11.52 ft <sup>2</sup>



# Finding base / height

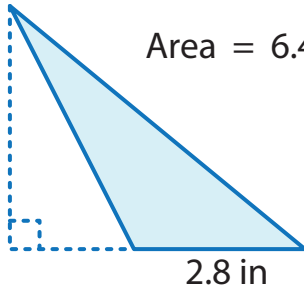
Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

AT:20

Example : Find the base of given triangle.



$$\text{Area} = \frac{1}{2} \times \text{base}(b) \times \text{height}(h)$$

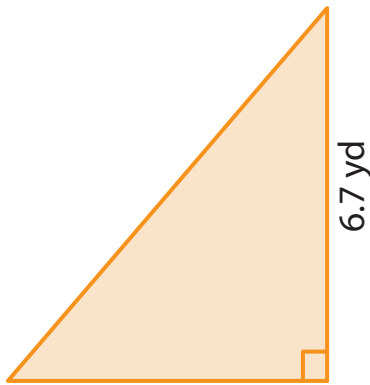
$$6.44 = \frac{1}{2} \times 2.8 \times h \quad b = 2.8 \text{ in}, h = ?$$

$$12.88 = 2.8h$$

$$h = \frac{12.88}{2.8} = \mathbf{4.6 \text{ in}}$$

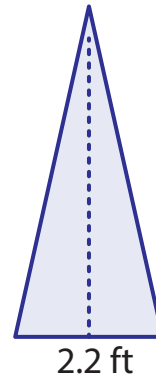
Find the base or height of each triangle.

1) Area = 18.425 yd<sup>2</sup>



Base = **5.5 yd**

2) Area = 7.04 ft<sup>2</sup>



Height = **6.4 ft**

1) Area = 2.625 in<sup>2</sup>

Base = 1.5 in

Height = **3.5 in**

2) Area = 5.985 yd<sup>2</sup>

Height = 2.1 yd

Base = **5.7 yd**

Complete the table.

Q.No	Base	Height	Area
1)	6.2 in	<b>3.5 in</b>	10.85 in <sup>2</sup>
2)	<b>1.6 yd</b>	7.3 yd	5.84 yd <sup>2</sup>
3)	4.8 ft	<b>4.8 ft</b>	11.52 ft <sup>2</sup>