AREA OF TRIANGLES

Name _____

Score _____

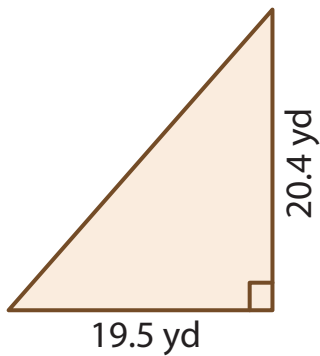AT:10

Example : Find the area of given triangle.
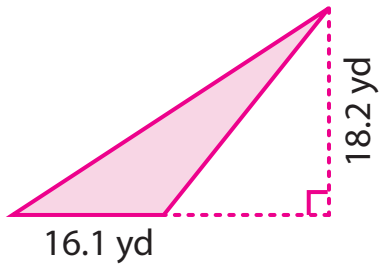
18.2 yd

16.1 yd

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

$b = 16.1 \text{ yd}, h = 18.2 \text{ yd}$

$= \dfrac{1}{2} \times 16.1 \times 18.2$

$= \mathbf{146.51 \text{ yd}^2}$

Find the area of each triangle.

1)

20.4 yd

19.5 yd

Area =

2)

18.5 in

15.6 in

Area =

3)

19.2 ft

20.8 ft

Area =

4)

19.8 yd

17.5 yd
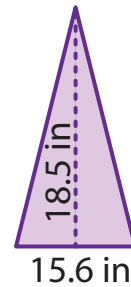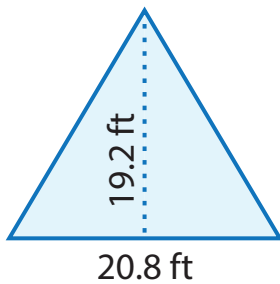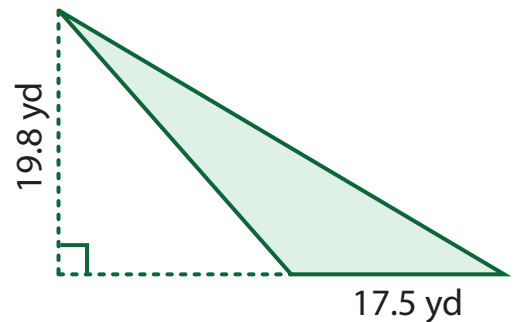
Area =

The base and height of triangles are given below. Calculate the area.

Q.No	Base	Height	Area
1)	17.4 in	16.2 in	
2)	20.2 yd	15.3 yd	
3)	18.8 ft	19.5 ft	

AREA OF TRIANGLES

Answer key

Example : Find the area of given triangle.

18.2 yd

16.1 yd

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

$b = 16.1 \text{ yd} , h = 18.2 \text{ yd}$

$= \dfrac{1}{2} \times 16.1 \times 18.2$

$= \mathbf{146.51 \ yd^2}$

Find the area of each triangle.

1)

20.4 yd

19.5 yd

Area = **198.9 yd²**

2)

18.5 in
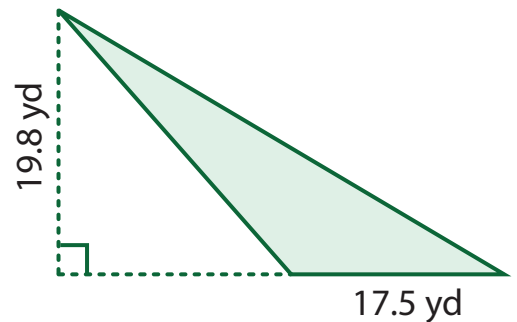
15.6 in

Area = **144.3 in²**

3)

19.2 ft

20.8 ft

Area = **199.68 ft²**

4)

19.8 yd

17.5 yd
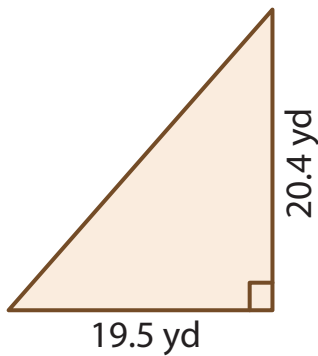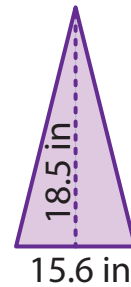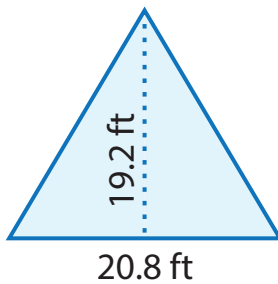
Area = **173.25 yd²**

The base and height of triangles are given below. Calculate the area.

Q.No	Base	Height	Area
1)	17.4 in	16.2 in	**140.94 in²**
2)	20.2 yd	15.3 yd	**154.53 yd²**
3)	18.8 ft	19.5 ft	**183.3 ft²**