AREA OF EQUILATERAL TRIANGLE
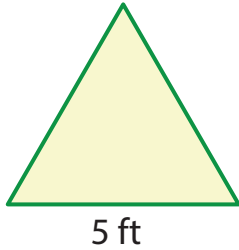
Name _____

Score _____

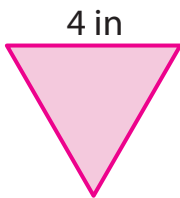AT:26

Example : Find the area of the triangle and round it to two decimal places.

$$\text{Area} = \frac{\sqrt{3}}{4} \times a^2$$

$$a = 5 \text{ ft}$$

$$= \frac{\sqrt{3}}{4} \times 25$$
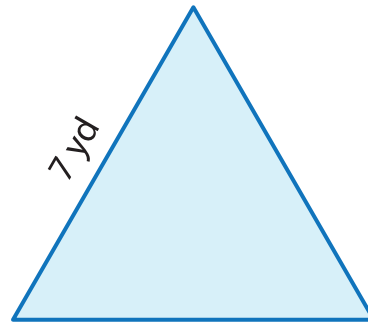
$$= \mathbf{10.83 \ ft^2}$$

5 ft

Find the area of the triangle and round it to two decimal places.

1)

4 in

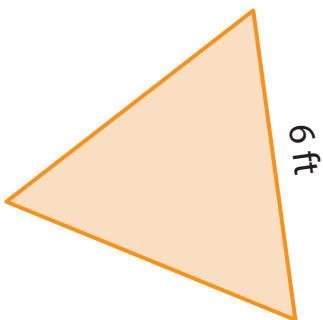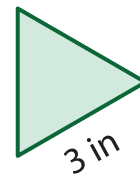Area = _____

2)
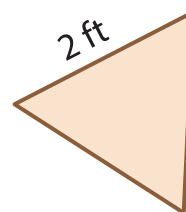
7 yd

Area = _____

3)

6 ft

Area = _____

4)

3 in

Area = _____

5)

8 yd

Area = _____

6)

2 ft
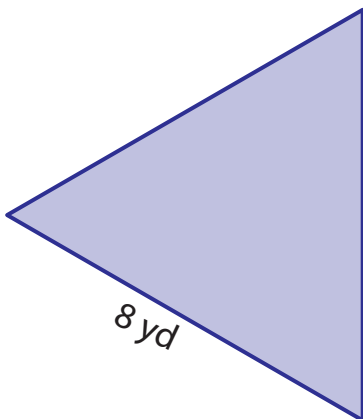
Area = _____

AREA OF EQUILATERAL TRIANGLE

Answer key

AT:26
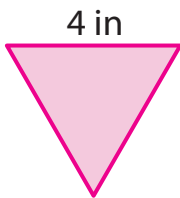
Example : Find the area of the triangle and round it to two decimal places.

$$\text{Area} = \frac{\sqrt{3}}{4} \times a^2$$

$$a = 5 \text{ ft}$$

$$= \frac{\sqrt{3}}{4} \times 25$$
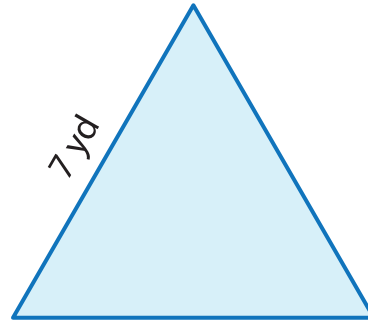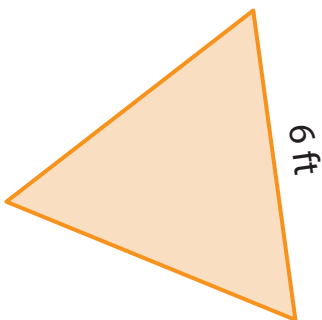
$$= \textbf{10.83 ft}^2$$

5 ft

Find the area of the triangle and round it to two decimal places.

1)

4 in

Area = **6.93 in²**

2)

7 yd

Area = **21.22 yd²**

3)

6 ft
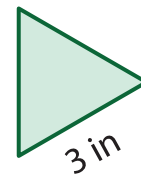
Area = **15.59 ft²**

4)

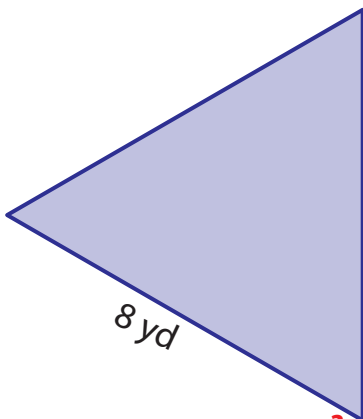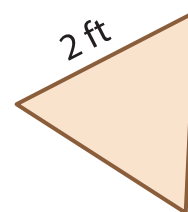3 in

Area = **3.9 in²**

5)

8 yd

Area = **27.71 yd²**

6)

2 ft

Area = **1.73 ft²**