



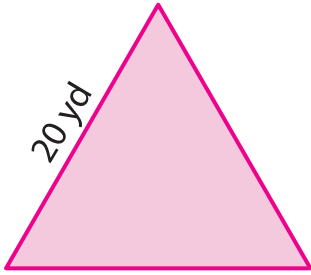
# AREA OF EQUILATERAL TRIANGLE

Name \_\_\_\_\_

Score \_\_\_\_\_

AT:27

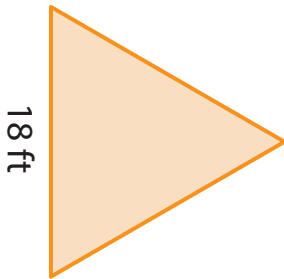
Example : Find the area of the triangle and round it to two decimal places.



$$\begin{aligned} \text{Area} &= \frac{\sqrt{3}}{4} \times a^2 \\ a &= 20 \text{ yd} \\ &= \frac{\sqrt{3}}{4} \times 400 \\ &= \mathbf{173.21 \text{ yd}^2} \end{aligned}$$

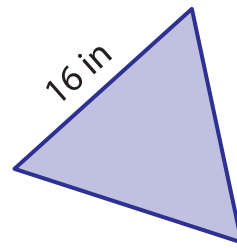
Find the area of the triangle and round it to two decimal places.

1)



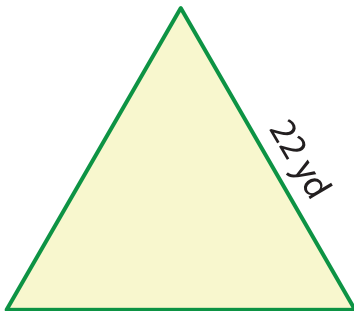
Area = \_\_\_\_\_

2)



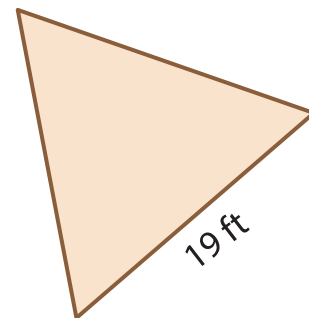
Area = \_\_\_\_\_

3)



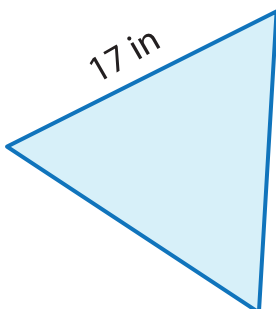
Area = \_\_\_\_\_

4)



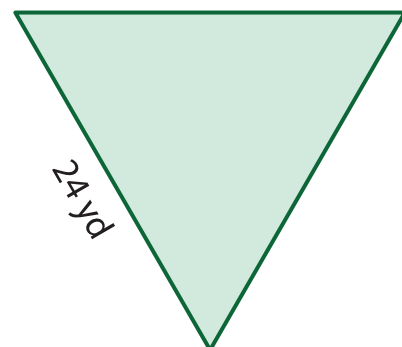
Area = \_\_\_\_\_

5)



Area = \_\_\_\_\_

6)



Area = \_\_\_\_\_



# AREA OF EQUILATERAL TRIANGLE

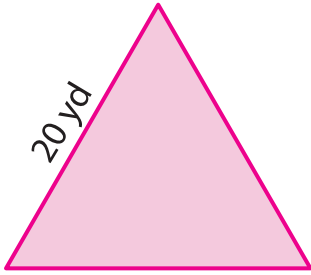
Name \_\_\_\_\_

Score \_\_\_\_\_

## Answer key

AT:27

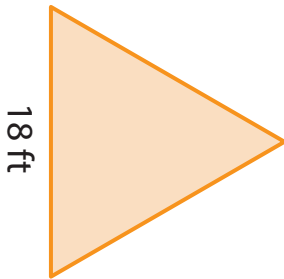
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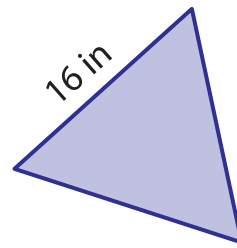
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1)



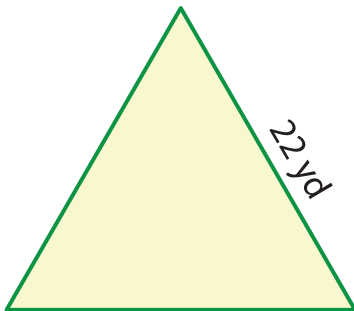
Area = 140.3 ft<sup>2</sup>

2)



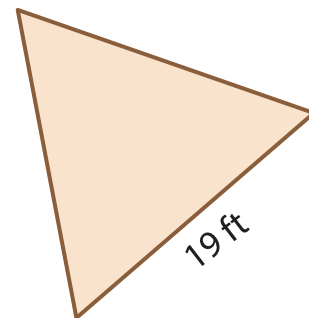
Area = 110.85 in<sup>2</sup>

3)



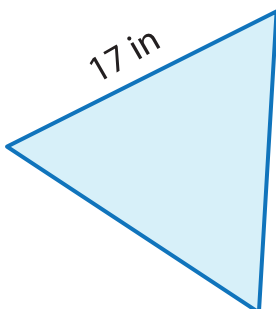
Area = 209.58 yd<sup>2</sup>

4)



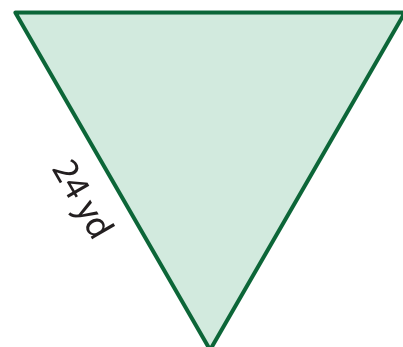
Area = 156.32 ft<sup>2</sup>

5)



Area = 125.14 in<sup>2</sup>

6)



Area = 249.42 yd<sup>2</sup>