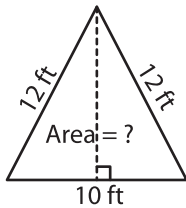


# Area of an Isosceles Triangle

Example:



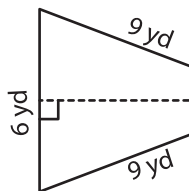
**In an isosceles triangle, altitude drawn to the base is a median.  
Median divides base into equal line segments.**

$$\begin{aligned} \text{height} &= \sqrt{12^2 - 5^2} \\ &= \sqrt{144 - 25} \\ &= \sqrt{119} \text{ ft} \end{aligned}$$

$$\begin{aligned} b &= 10 \text{ ft}, h = \sqrt{119} \text{ ft} \\ \text{Area} &= \frac{1}{2} \times b \times h \\ &= \frac{1}{2} \times 10 \times \sqrt{119} \\ &= 54.54 \text{ ft}^2 \end{aligned}$$

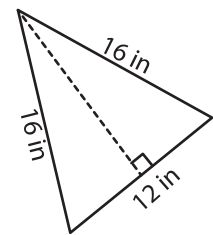
Find the area of each isosceles triangle. Round your answer to two decimal places.

1)



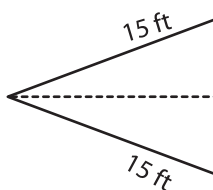
Area =

2)

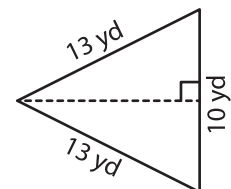


Area =

4)

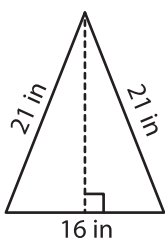


Area =

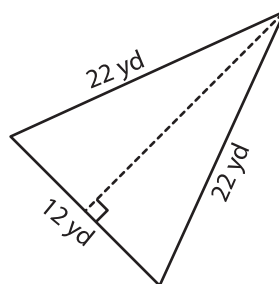


Area =

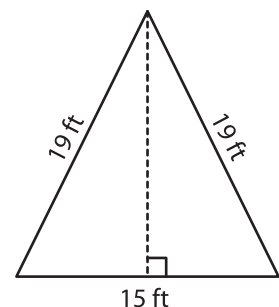
7)



Area =



Area =



Area =

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