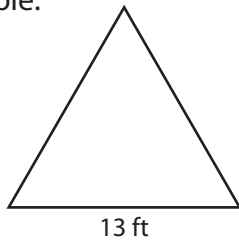


## Area of an Equilateral Triangle

Example:



$$\text{Area of an equilateral triangle} = \frac{\sqrt{3}}{4} a^2$$

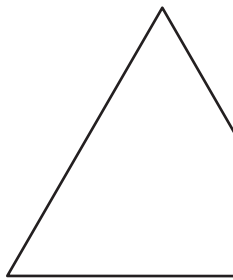
$$a = 13 \text{ ft}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 13 \times 13$$

$$= \mathbf{73.18 \text{ ft}^2}$$

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

1)



Area =

2)



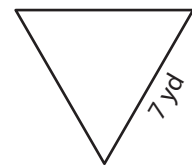
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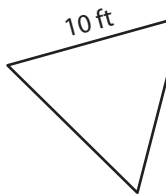
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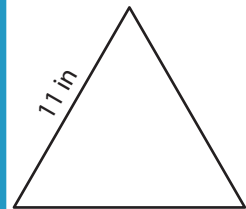


Area =

4)

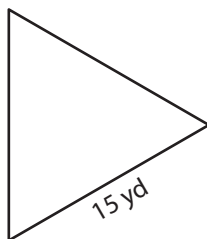


Area =

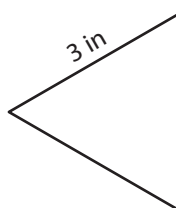


Area =

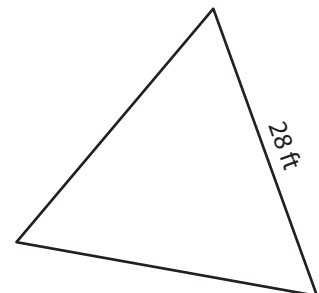
7)



Area =



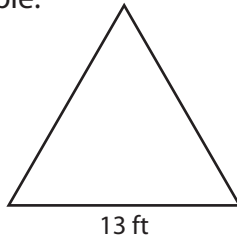
Area =



Area =

## Area of an Equilateral Triangle

Example:



$$\text{Area of an equilateral triangle} = \frac{\sqrt{3}}{4} a^2$$

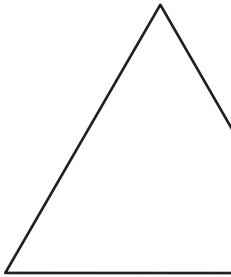
$$a = 13 \text{ ft}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 13 \times 13$$

$$= \mathbf{73.18 \text{ ft}^2}$$

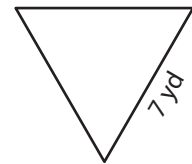
Find the area of each equilateral triangle. Round your answer to two decimal places.

1)



$$\text{Area} = \mathbf{209.58 \text{ yd}^2}$$

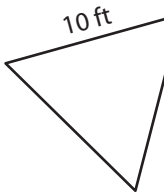
2)



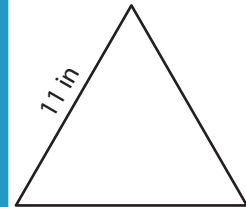
$$\text{Area} = \mathbf{21.22 \text{ yd}^2}$$

3)

4)

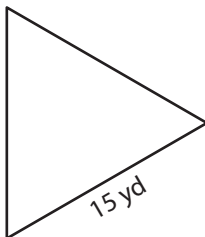


$$\text{Area} = \mathbf{43.3 \text{ ft}^2}$$

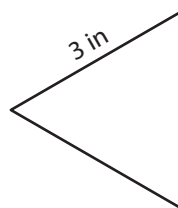


$$\text{Area} = \mathbf{52.39 \text{ in}^2}$$

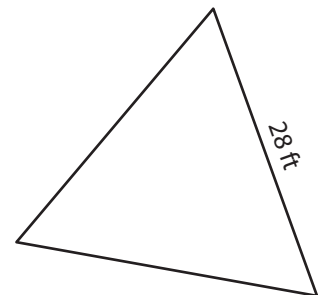
7)



$$\text{Area} = \mathbf{97.43 \text{ yd}^2}$$



$$\text{Area} = \mathbf{3.9 \text{ in}^2}$$



$$\text{Area} = \mathbf{339.48 \text{ ft}^2}$$

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