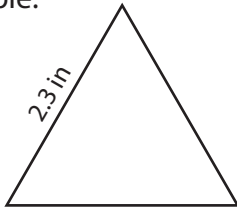


## Area of an Equilateral Triangle

Example:



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

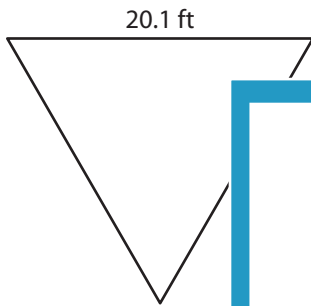
$$a = 2.3 \text{ in}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 2.3 \times 2.3$$

$$= \mathbf{2.29 \text{ in}^2}$$

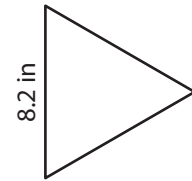
Find the area of each equilateral triangle. Round your answer to two decimal places.

1)



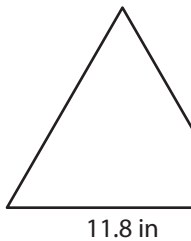
Area =

2)

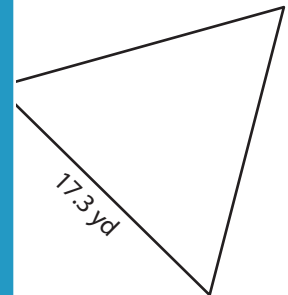


Area =

4)

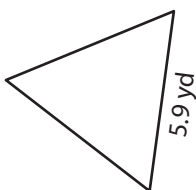


Area =

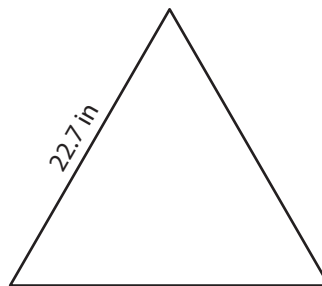


Area =

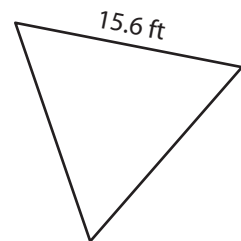
7)



Area =



Area =



Area =

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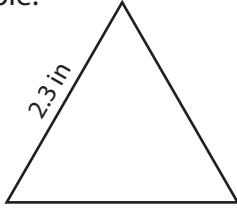
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## Area of an Equilateral Triangle

Example:



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

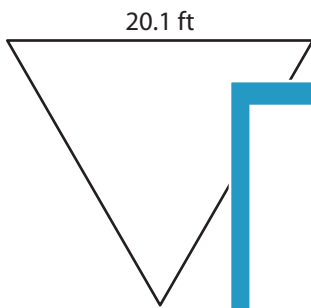
$$a = 2.3 \text{ in}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 2.3 \times 2.3$$

$$= \mathbf{2.29 \text{ in}^2}$$

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

1)



$$\text{Area} = \mathbf{174.94 \text{ ft}^2}$$

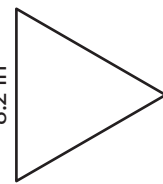
2)



8.2 in

$$\text{Area} = \mathbf{29.12 \text{ in}^2}$$

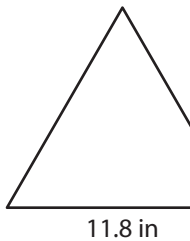
3)



17.3 yd

$$\text{Area} = \mathbf{129.6 \text{ yd}^2}$$

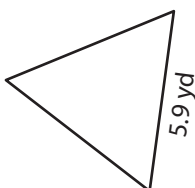
4)



11.8 in

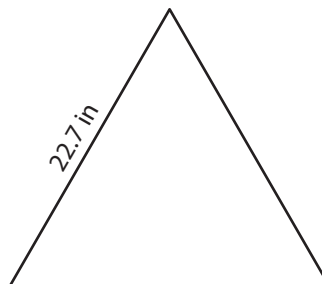
$$\text{Area} = \mathbf{60.29 \text{ in}^2}$$

7)



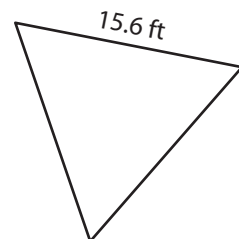
5.9 yd

$$\text{Area} = \mathbf{15.07 \text{ yd}^2}$$



22.7 in

$$\text{Area} = \mathbf{223.13 \text{ in}^2}$$



15.6 ft

$$\text{Area} = \mathbf{105.38 \text{ ft}^2}$$

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