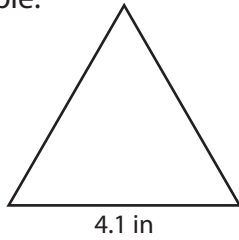


Area of an Equilateral Triangle

Example:



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

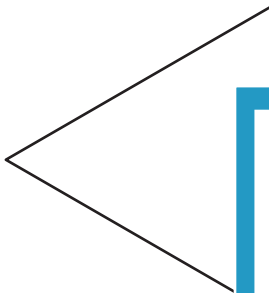
$$a = 4.1 \text{ in}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 4.1 \times 4.1$$

$$= \mathbf{7.28 \text{ in}^2}$$

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

1)



Area =

2)



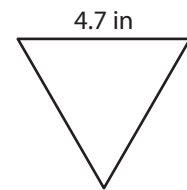
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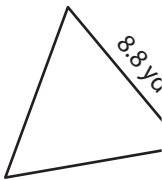
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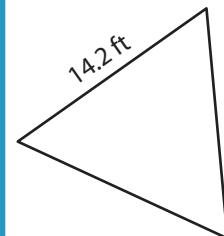


Area =

4)

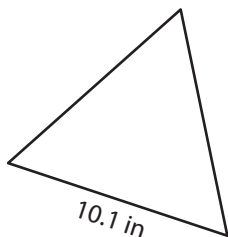


Area =

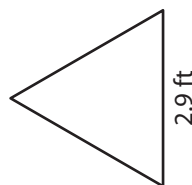


Area =

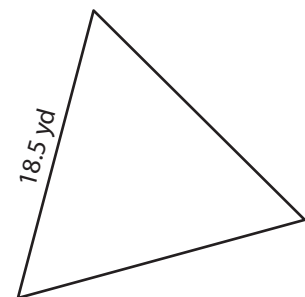
7)



Area =



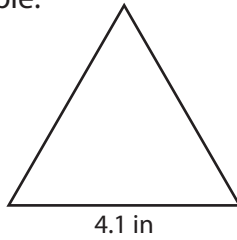
Area =



Area =

Area of an Equilateral Triangle

Example:



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

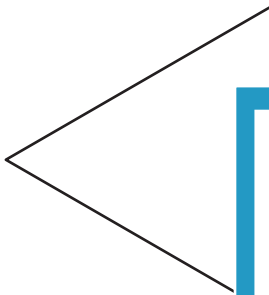
$$a = 4.1 \text{ in}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 4.1 \times 4.1$$

$$= \mathbf{7.28 \text{ in}^2}$$

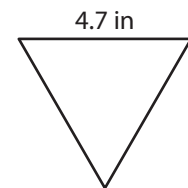
Find the area of each equilateral triangle. Round your answer to two decimal places.

1)



$$\text{Area} = \mathbf{196.45 \text{ in}^2}$$

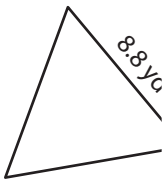
2)



$$\text{Area} = \mathbf{9.57 \text{ in}^2}$$

3)

4)



$$\text{Area} = \mathbf{33.53 \text{ yd}^2}$$

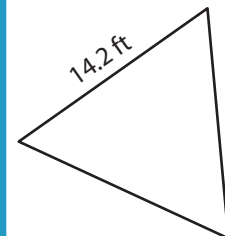
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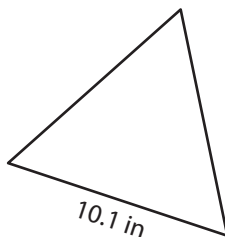
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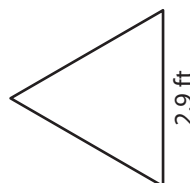


$$\text{Area} = \mathbf{87.31 \text{ ft}^2}$$

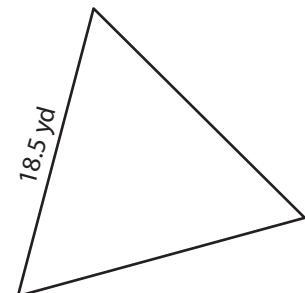
7)



$$\text{Area} = \mathbf{44.17 \text{ in}^2}$$



$$\text{Area} = \mathbf{3.64 \text{ ft}^2}$$



$$\text{Area} = \mathbf{148.2 \text{ yd}^2}$$