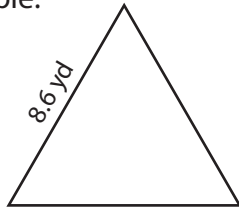


Area of an Equilateral Triangle

Example:



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

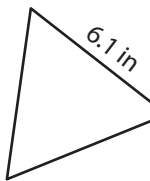
$$a = 8.6 \text{ yd}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 8.6 \times 8.6$$

$$= \mathbf{32.03 \text{ yd}^2}$$

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

1)



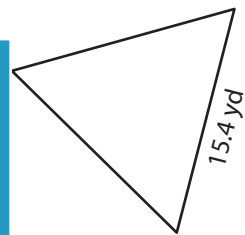
Area =

2)



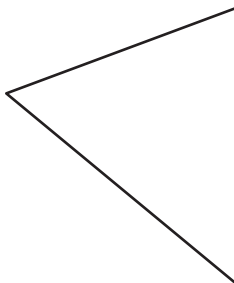
Area =

3)

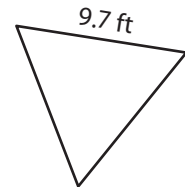


Area =

4)

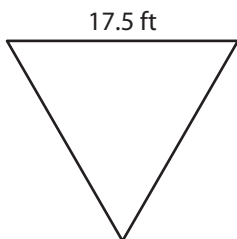


Area =

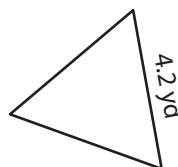


Area =

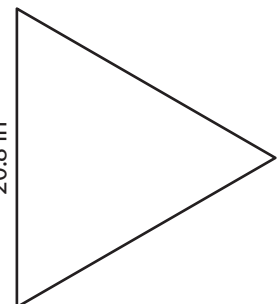
7)



Area =



Area =



Area =

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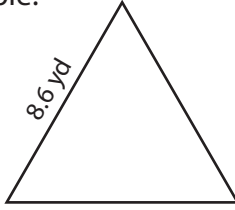
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Area of an Equilateral Triangle

Example:



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

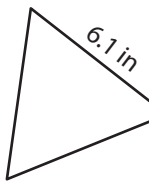
$$a = 8.6 \text{ yd}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 8.6 \times 8.6$$

$$= \mathbf{32.03 \text{ yd}^2}$$

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

1)



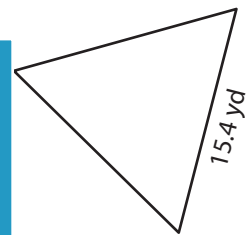
$$\text{Area} = \mathbf{16.11}$$

2)



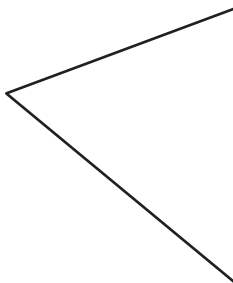
$$\text{Area} = \mathbf{102.69 \text{ yd}^2}$$

3)



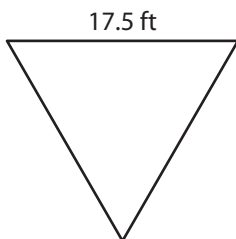
$$\text{Area} = \mathbf{40.74 \text{ ft}^2}$$

4)

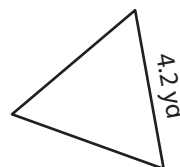


$$\text{Area} = \mathbf{207.68}$$

7)



$$\text{Area} = \mathbf{7.64 \text{ yd}^2}$$



$$\text{Area} = \mathbf{187.34 \text{ in}^2}$$

$$\text{Area} = \mathbf{132.61 \text{ ft}^2}$$

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