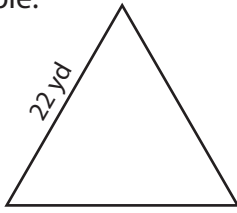


Area of an Equilateral Triangle

Example:



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

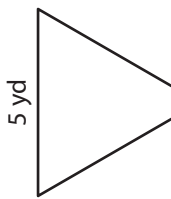
$$a = 22 \text{ yd}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 22 \times 22$$

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

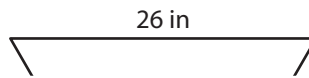
Find the area of each equilateral triangle. Round your answer to two decimal places.

1)



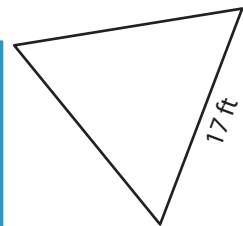
Area =

2)

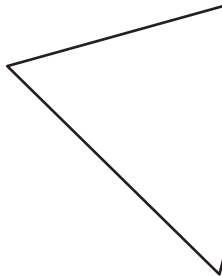


Area =

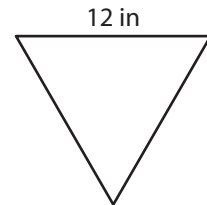
3)



4)

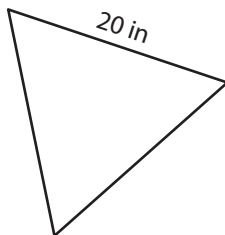


Area =

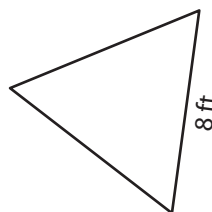


Area =

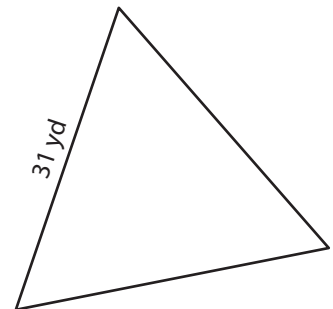
7)



Area =



Area =



Area =

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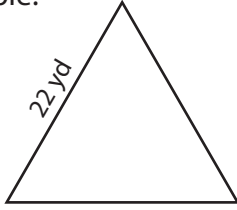
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Area of an Equilateral Triangle

Example:



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

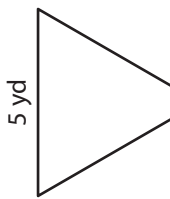
$$a = 22 \text{ yd}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 22 \times 22$$

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

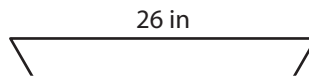
Find the area of each equilateral triangle. Round your answer to two decimal places.

1)



$$\text{Area} = \mathbf{10.83}$$

2)



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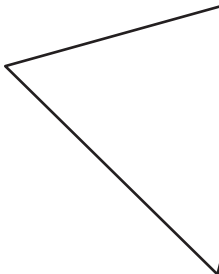
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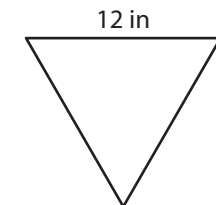
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$$\text{rea} = \mathbf{125.14 \text{ ft}^2}$$

4)

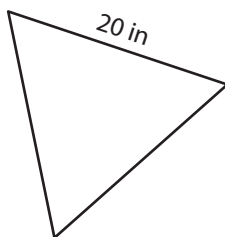


$$\text{Area} = \mathbf{471.55}$$

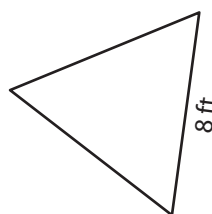


$$\text{rea} = \mathbf{62.35 \text{ in}^2}$$

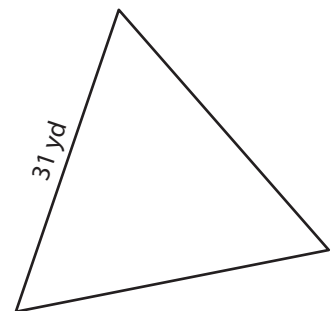
7)



$$\text{Area} = \mathbf{173.21 \text{ in}^2}$$



$$\text{Area} = \mathbf{27.71 \text{ ft}^2}$$



$$\text{Area} = \mathbf{416.13 \text{ yd}^2}$$