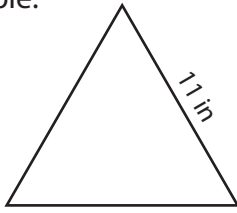


Area of an Equilateral Triangle

Example:



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

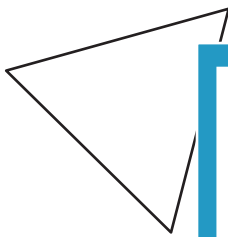
$$a = 11 \text{ in}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 11 \times 11$$

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

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

1)

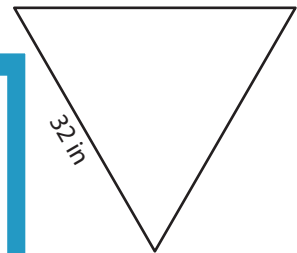


Area =

2)

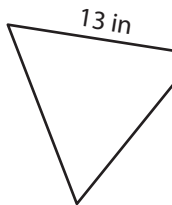
3)

3)

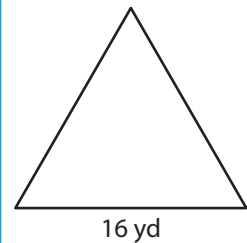


Area =

4)

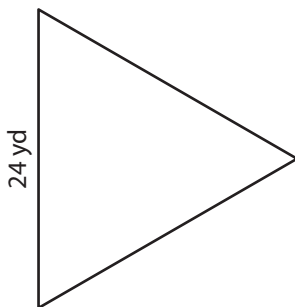


Area =

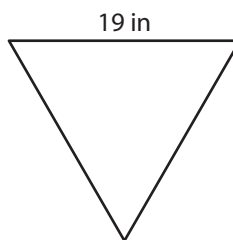


Area =

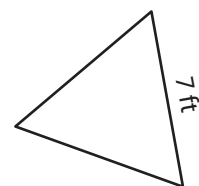
7)



Area =



Area =



Area =

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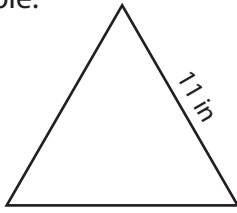
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Area of an Equilateral Triangle

Example:



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

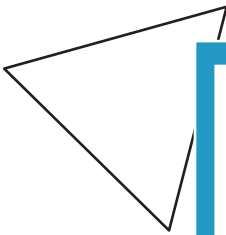
$$a = 11 \text{ in}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 11 \times 11$$

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

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

1)

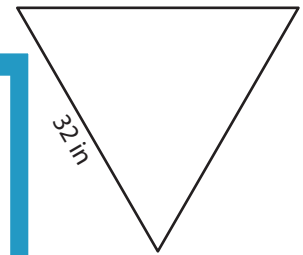


$$\text{Area} = 84.87$$

2)

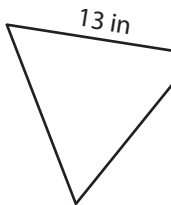
3)

3)



$$\text{Area} = 443.41 \text{ in}^2$$

4)



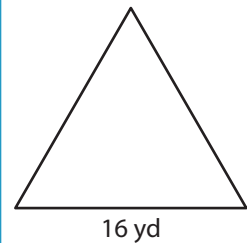
$$\text{Area} = 73.18$$

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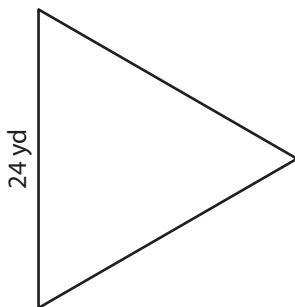
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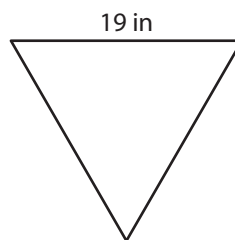


$$\text{Area} = 110.85 \text{ yd}^2$$

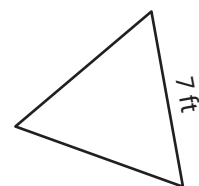
7)



$$\text{Area} = 249.42 \text{ yd}^2$$



$$\text{Area} = 156.32 \text{ in}^2$$



$$\text{Area} = 21.22 \text{ ft}^2$$