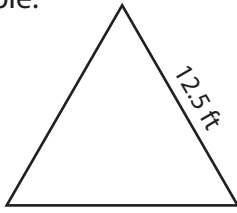


Name : \_\_\_\_\_

## Area of an Equilateral Triangle

T1S2

Example:



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

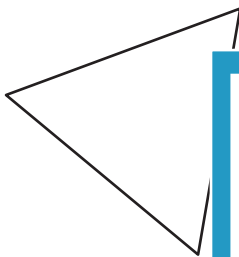
$$a = 12.5 \text{ ft}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 12.5 \times 12.5$$

$$= \mathbf{67.66 \text{ ft}^2}$$

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

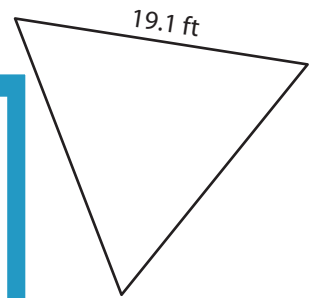
1)



Area =

2)

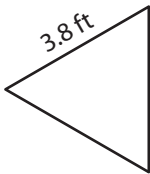
^



Area =

3)

4)



Area =

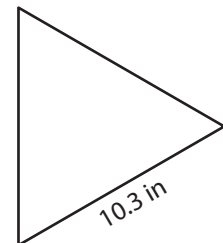
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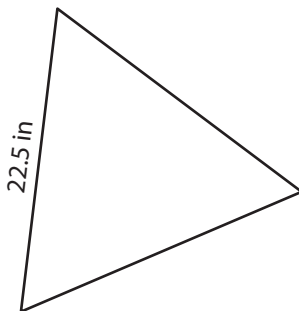
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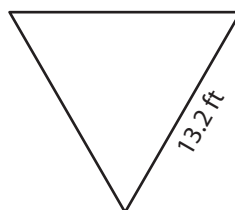


Area =

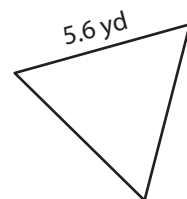
7)



Area =



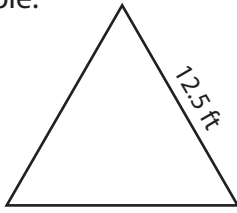
Area =



Area =

## Area of an Equilateral Triangle

Example:



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

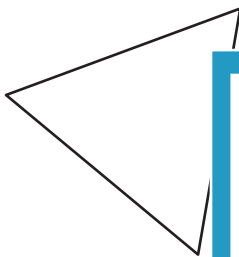
$$a = 12.5 \text{ ft}$$

$$\text{Area} = \frac{\sqrt{3}}{4} \times 12.5 \times 12.5$$

$$= \mathbf{67.66 \text{ ft}^2}$$

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

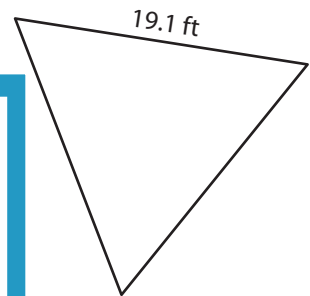
1)



$$\text{Area} = \mathbf{69.84 \text{ ft}^2}$$

2)

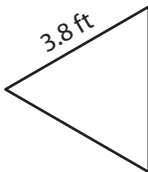
^



$$\text{Area} = \mathbf{157.97 \text{ ft}^2}$$

3)

4)



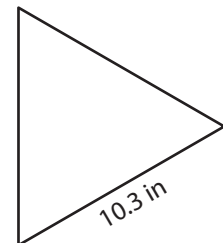
$$\text{Area} = \mathbf{6.25 \text{ ft}^2}$$

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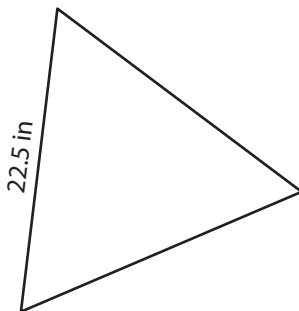
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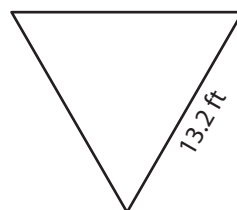


$$\text{Area} = \mathbf{45.94 \text{ in}^2}$$

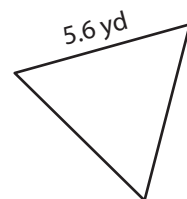
7)



$$\text{Area} = \mathbf{219.21 \text{ in}^2}$$



$$\text{Area} = \mathbf{75.45 \text{ ft}^2}$$



$$\text{Area} = \mathbf{13.58 \text{ yd}^2}$$