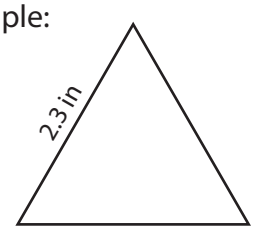
Name : _____

T1S1

Area of an Equilateral Triangle

Example:



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

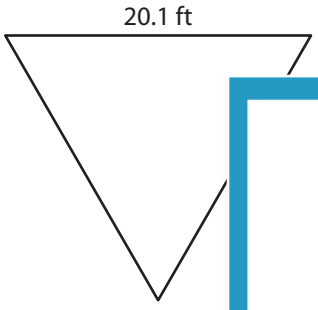
$a = 2.3$ in

Area = $\frac{\sqrt{3}}{4} \times 2.3 \times 2.3$

= **2.29 in²**

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

1)

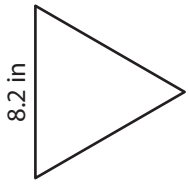


Area = _____

2)

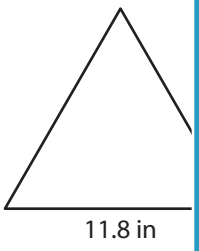
Area = _____

3)

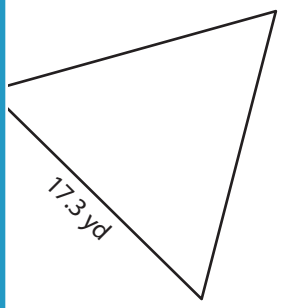


rea = _____

4)

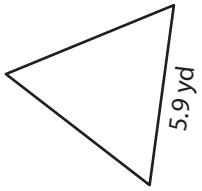


Area = _____

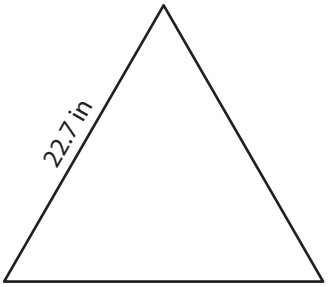


rea = _____

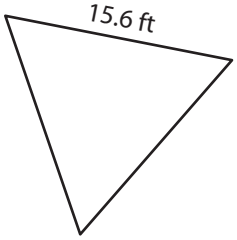
7)



Area = _____



Area = _____



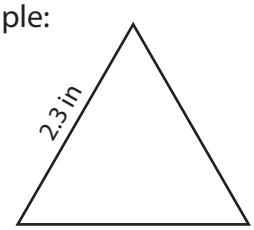
Area = _____

Name : _____ **Answer key**

T1S1

Area of an Equilateral Triangle

Example:



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

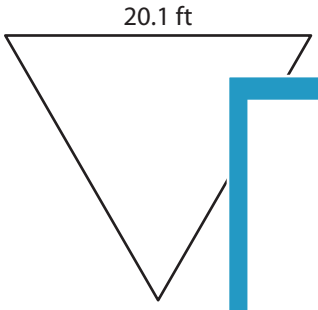
$a = 2.3$ in

Area = $\frac{\sqrt{3}}{4} \times 2.3 \times 2.3$

$= \mathbf{2.29\ in^2}$

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

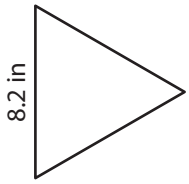
1)



Area = **174.94**

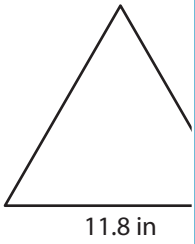
2)

3)

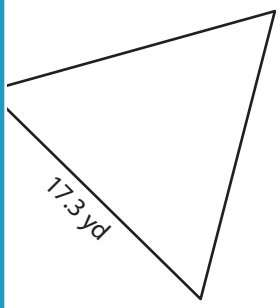


rea = **29.12 in²**

4)

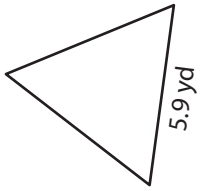


Area = **60.29**

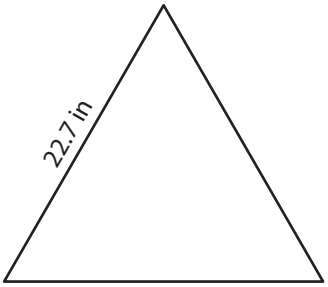


rea = **129.6 yd²**

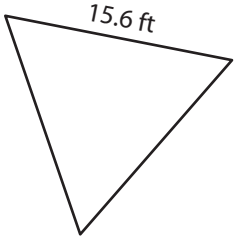
7)



Area = **15.07 yd²**



Area = **223.13 in²**



Area = **105.38 ft²**