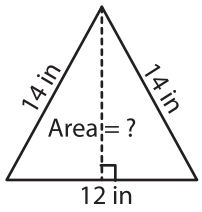
Name : _____

Area of an Isosceles Triangle

T1S2

Example:



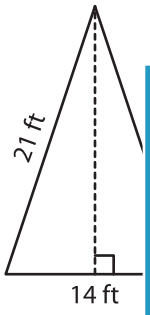
In an isosceles triangle, altitude drawn to the base is a median.
Median divides base into equal line segments.

height $= \sqrt{14^2 - 6^2}$
$= \sqrt{196 - 36}$
$= \sqrt{160}$ **in**

b = 12 in , h = $\sqrt{160}$ in
Area = $\frac{1}{2}$ x b x h
= $\frac{1}{2}$ x 12 x $\sqrt{160}$
= **75.89 in²**

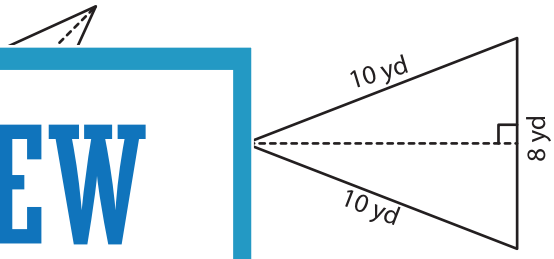
Find the area of each isosceles triangle. Round your answer to two decimal places.

1)



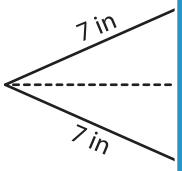
Area = _____

2)

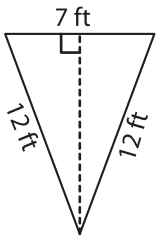


rea = _____

4)

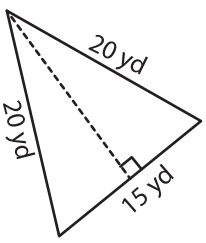


Area = _____

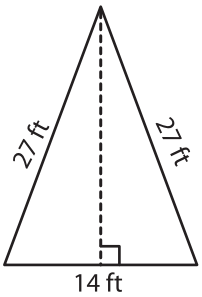


rea = _____

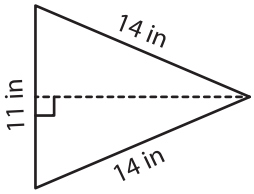
7)



Area = _____



Area = _____



Area = _____