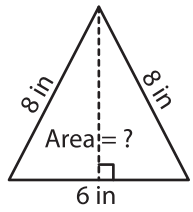
Name : _____

Area of an Isosceles Triangle

T1S4

Example:



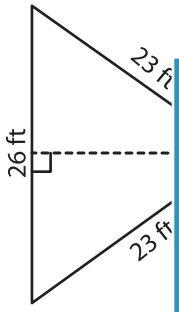
In an isosceles triangle, altitude drawn to the base is a median.
Median divides base into equal line segments.

height $= \sqrt{8^2 - 3^2}$
$= \sqrt{64 - 9}$
$= \sqrt{55}$ **in**

b = 6 in, h = $\sqrt{55}$ in
Area $= \frac{1}{2}$ x b x h
$= \frac{1}{2}$ x 6 x $\sqrt{55}$
= **22.25 in²**

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

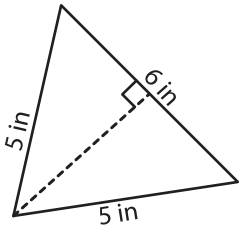
1)



Area = _____

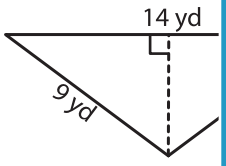
2)

3)

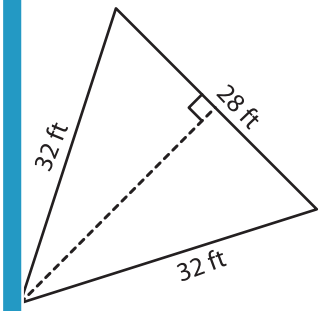


rea = _____

4)

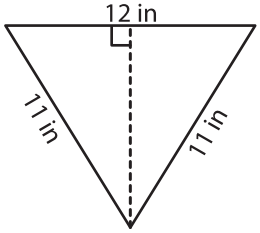


Area = _____

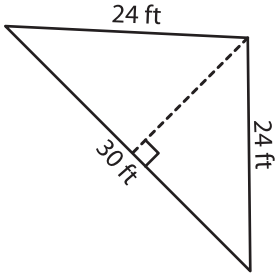


rea = _____

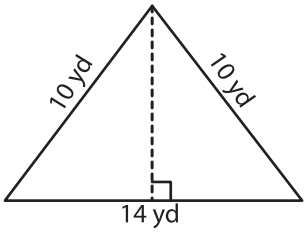
7)



Area = _____



Area = _____



Area = _____