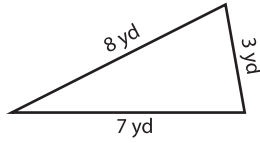


Name : _____

Area of a Scalene Triangle

T1S3

Example:



Area = ?

$$\text{Area of scalene triangle} = \sqrt{s(s-a)(s-b)(s-c)}$$

s = half of the perimeter

$$s = \frac{a + b + c}{2}$$

$$s = \frac{7 \text{ yd} + 8 \text{ yd} + 3 \text{ yd}}{2}$$

$$s = \frac{18 \text{ yd}}{2}$$

$$s = 9 \text{ yd}$$

$$\text{Area of scalene triangle} = \sqrt{s(s-a)(s-b)(s-c)}$$

$$= \sqrt{9(9-7)(9-8)(9-3)}$$

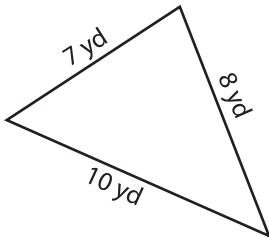
$$= \sqrt{9(2)(1)(6)}$$

$$= \sqrt{108}$$

$$= 10.39 \text{ yd}^2$$

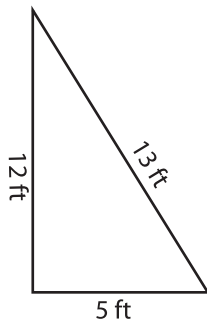
Find the area of each scalene triangle. Round your answer to two decimal places.

1)



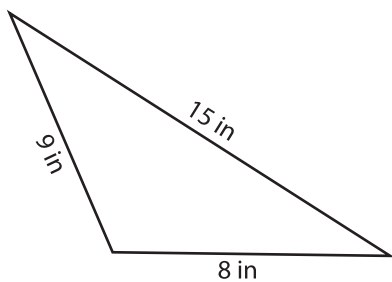
Area = _____

4)



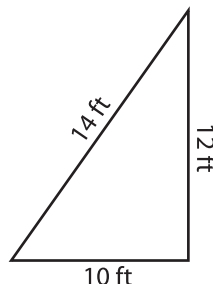
Area = _____

7)



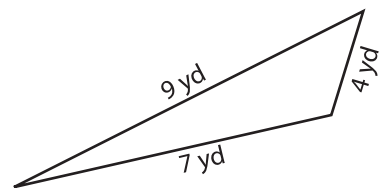
Area = _____

8)



Area = _____

9)



Area = _____

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