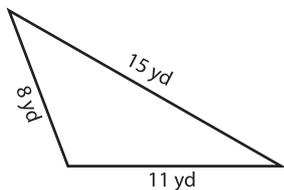


# Area of an Scalene Triangle | Integers

Example:



Area = ?

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

$s$  = half of the perimeter

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

$$s = \frac{11 \text{ yd} + 8 \text{ yd} + 15 \text{ yd}}{2}$$

$$s = \frac{34 \text{ yd}}{2}$$

$$s = 17 \text{ yd}$$

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

$$= \sqrt{17(17-11)(17-8)(17-15)}$$

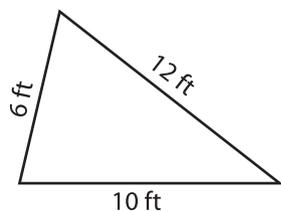
$$= \sqrt{17(6)(9)(2)}$$

$$= \sqrt{1836}$$

$$= 42.85 \text{ yd}^2$$

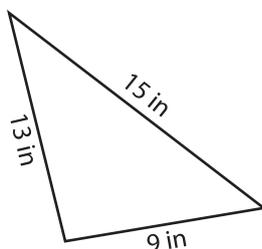
Find the area of each scalene triangle. Round your answer to two decimal places.

1)



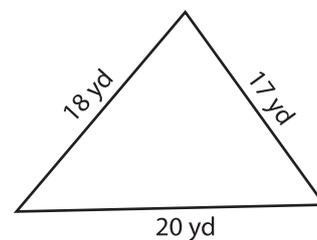
Area = \_\_\_\_\_

2)



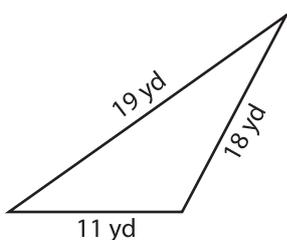
Area = \_\_\_\_\_

3)



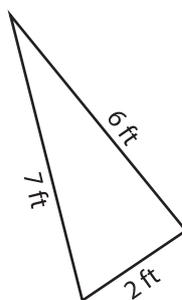
Area = \_\_\_\_\_

4)



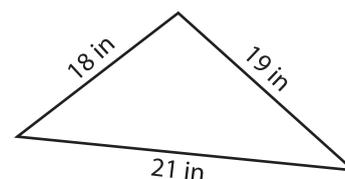
Area = \_\_\_\_\_

5)



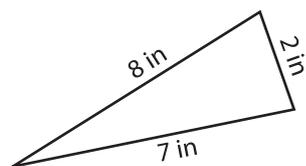
Area = \_\_\_\_\_

6)



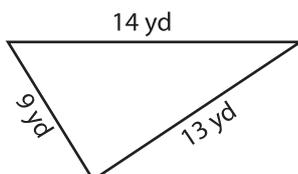
Area = \_\_\_\_\_

7)



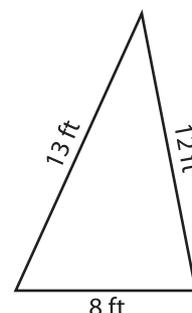
Area = \_\_\_\_\_

8)



Area = \_\_\_\_\_

9)



Area = \_\_\_\_\_