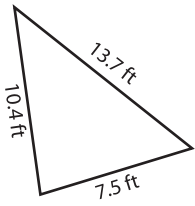


Name : \_\_\_\_\_

## Area of a Scalene Triangle

T1S4

Example:



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

$s$  = half of the perimeter

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

$$s = \frac{10.4 \text{ ft} + 13.7 \text{ ft} + 7.5 \text{ ft}}{2}$$

$$s = \frac{31.6 \text{ ft}}{2}$$

$$s = 15.8 \text{ ft}$$

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

$$= \sqrt{15.8(15.8 - 10.4)(15.8 - 13.7)(15.8 - 7.5)}$$

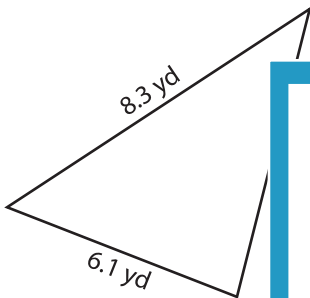
$$= \sqrt{15.8(5.4)(2.1)(8.3)}$$

$$= \sqrt{1,487.1276}$$

$$= 38.56 \text{ ft}^2$$

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

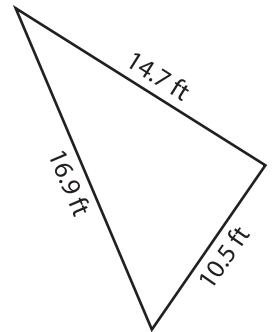
1)



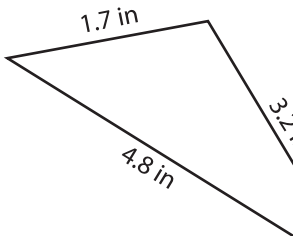
2)



3)



4)



# PREVIEW

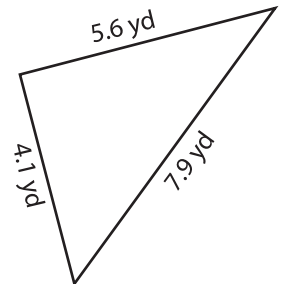
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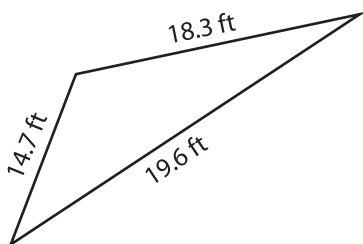
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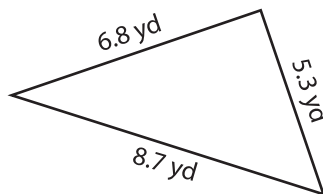
5)



7)



8)



9)

