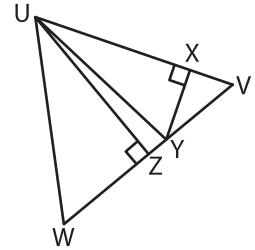


## Area of a Triangle

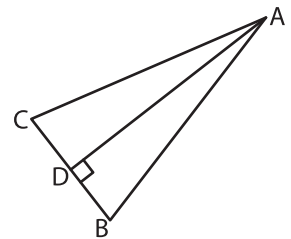
Round your answer to two decimal places.

- 1) The area of the triangle UVW is 714 square yards.  $\overline{UZ}$  and  $\overline{UV}$  measure 34 yards and 40 yards respectively. If  $XY : WV = 1 : 3$ , what is the area of the triangle UYW?



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- 2) ABC is an isosceles triangle with an area of 189 square inches. If  $\overline{AD}$  measures 27 inches, determine the length of  $\overline{CD}$ .



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- 3) EFG is an equilateral triangle with a side length of 12.5 yards, find the area.

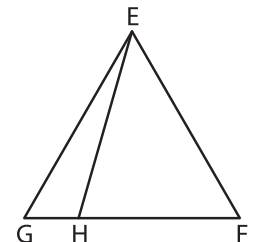
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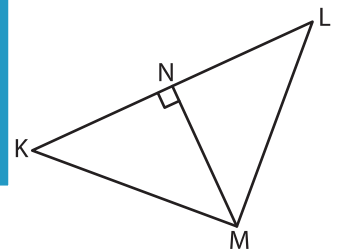
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- 4) In triangle KLM,  $\overline{MN}$  is the altitude from vertex M to base KL. Find the area of the triangle KLM.



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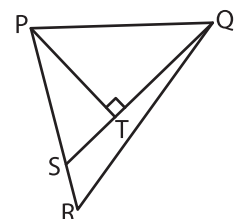
- 5) What is the area of the triangle PQR, if  $\overline{QS}$  is 10 feet,  $\overline{PT}$  is 7 feet and the area of the triangle QRS is 15 square feet?

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- 5) What is the area of the triangle PQR, if  $\overline{QS}$  is 10 feet,  $\overline{PT}$  is 7 feet and the area of the triangle QRS is 15 square feet?



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