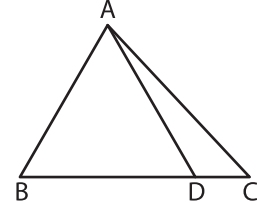


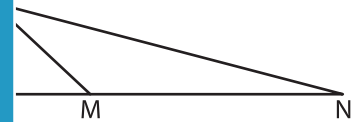
Area of a Triangle

Round your answer to two decimal places.

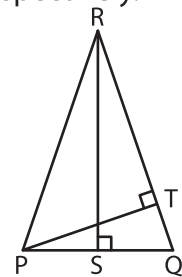
- 1) ABD is an equilateral triangle. If the triangle ABC has an area of 600 square yards and \overline{BD} measures 34 yards, find the area of the triangle ADC.



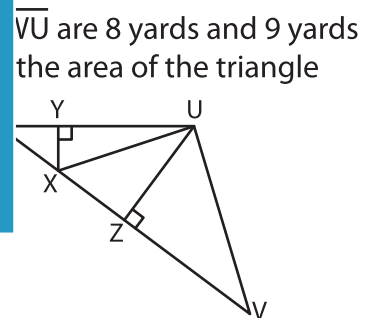
- 2) The area of the triangle KLN is 950 square inches. Determine the area of the triangle KMN, if \overline{LM} and \overline{MN} measure 40 inches and 100 inches respectively.



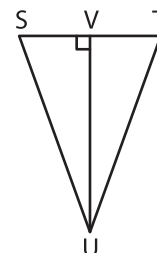
- 3) In triangle PQR, the length of \overline{PT} is 12 inches and \overline{RS} is 18 inches respectively. Find the area of the triangle PQR.



- 4) The area of the triangle XYZ is 12 square units and the area of the triangle XZV is 18 square units respectively. If the length of \overline{XZ} is 6 units, find the length of \overline{UV} .



- 5) In an isosceles triangle STU, the length of \overline{ST} is 6 feet. If the length of \overline{VU} is three times the length of \overline{SV} , determine the area of the triangle STU.



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