

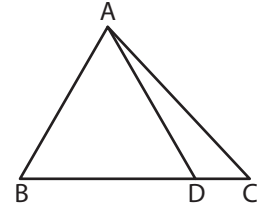
Name : _____

Area of a Triangle

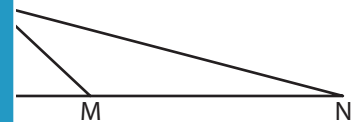
Sheet 2

Round your answer to two decimal places.

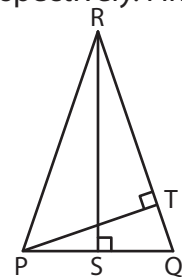
- 1) ABD is an equilateral triangle. If the triangle ABC has an area of 600 square yards and \overline{BD} measures 34 yards, find the area of the triangle ADC.



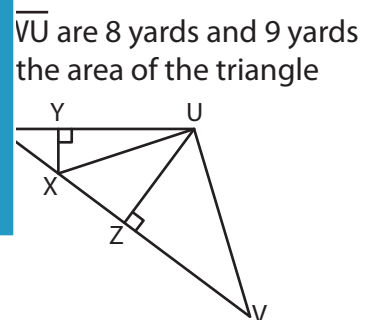
- 2) The area of the triangle KLN is 950 square inches. Determine the area of the triangle KMN, if \overline{LM} and \overline{MN} measure 40 inches and 100 inches respectively.



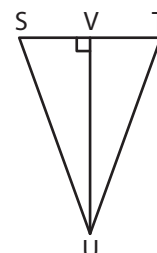
- 3) In triangle PQR, the length of \overline{PT} is 12 units and \overline{RS} is 15 units respectively. Find the area of the triangle PQR.



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



- 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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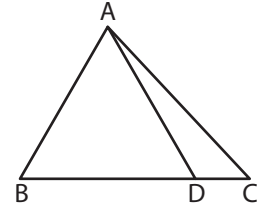
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Area of a Triangle

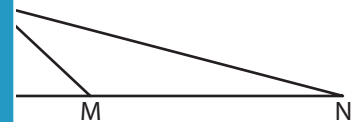
Round your answer to two decimal places.

- 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.



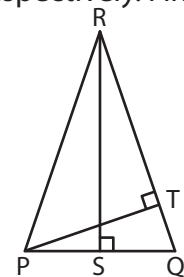
99.44 square yards

- 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.



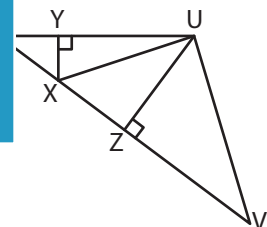
550 square inches

- 3) In triangle PQR, the length of \overline{PT} is 12 units and \overline{RS} is 10 units respectively. Find the area of triangle PQR.



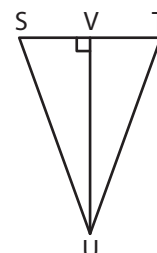
24.75 square units

- 4) The area of the triangle XYZ is 10 square yards. If the length of \overline{VU} are 8 yards and 9 yards respectively, determine the area of the triangle XYZ.



58.5 square yards

- 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.



27 square feet

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