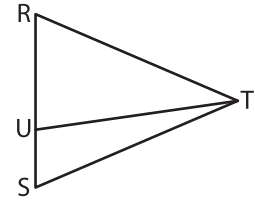


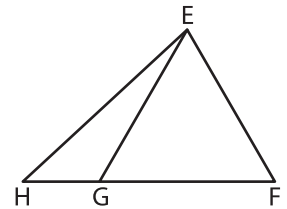
Area of a Triangle

Round your answer to two decimal places.

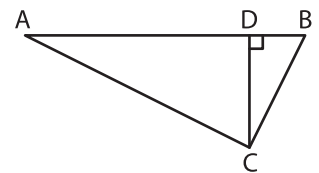
- 1) The area of the triangle RST is 21 square feet. If \overline{US} measures 2 feet and the length of \overline{RU} is twice the length of \overline{US} , what is the area of the triangle RUT ?



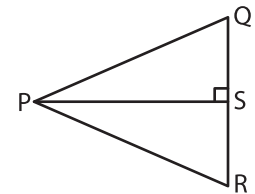
- 2) EFG is an equilateral triangle. If the area of the triangle EGH is 16 square yards and \overline{EG} measures 9 yards, find the area of the triangle EGF .



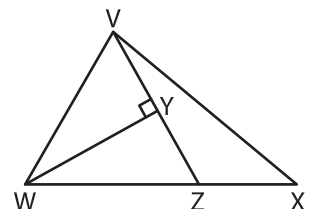
- 3) In triangle ABC , the altitude \overline{CD} is drawn from vertex C to side \overline{AB} . If the area of the triangle ADC is 12 square units, find the area of the triangle BCD .



- 4) PQR is an isosceles triangle with $\overline{PQ} = \overline{PR}$. The altitude \overline{PS} is drawn from vertex P to side \overline{QR} . If the length of the altitude \overline{PS} is 18 inches, find the area of the triangle PQR .



- 5) Triangle VWX has an area of 700 square yards. If \overline{WY} and \overline{VZ} measure 28 yards and 35 yards respectively, what is the area of the triangle VZX ?



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