Area of a Triangle

Round your answer to two decimal places.

1) The area of the triangle RST is 21 square feet. If US measures 2 feet and the length of RU is twice the length of 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 EG measures 9 yards, find the area of the triangle EFG.

3) In triangle ABC, the point D divides side AB in the ratio 4 : 1. Determine the area of the triangle ABC, if CD measures 20 feet and the length of BD is half the length of CD.

4) PQR is an isosceles triangle with an area of 738 square inches. If SR measures 18 inches, find the length of the altitude PS.

5) Triangle VWX has an area of 700 square yards. If WY and VZ measure 28 yards and 35 yards respectively, what is the area of the triangle VZX?
Round your answer to two decimal places.

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

14 square feet

2) EFG is an equilateral triangle. If the area of the triangle EGH is 16 square yards and EG measures 9 yards, find the area of the triangle EFG.

51.07 square yards

3) In triangle ABC, the point D divides side AB in the ratio 4 : 1. Determine the area of the triangle ABC, if CD measures 20 feet and the length of BD is half the length of CD.

500 square feet

4) PQR is an isosceles triangle with an area of 738 square inches. If SR measures 18 inches, find the length of the altitude PS.

41 inches

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

210 square yards