

















- 4) In rectangle QRST, diagonals QS and RT meet at point U. If the measure of QU = 3x + 4 and US = x + 20, what are the value of x and the lengths of QU, QS, and RT?
- 5) In rectangle PQRS, diagonal PR = 4x + 3 and diagonal QS = 6x 7. What is the length of diagonal QS?











4) If one side of a square is 32 and the side opposite it is 5x -8, what is the value of x?

5) The perimeter of a square is 24. In simplest radical form, what is the length of a diagonal of the square?



 Given: Isosceles trapezoid ABCD with BC AD. If m<a 4(x+<br="" =="">and m<d +="" 2(x+15)="" 8,="" =="" and="" find="" li="" m<a,="" m<b,="" m<c,="" m<d.<=""> </d>	5)
2) In isosceles trapezoid MIKE, <k <e="" and="" are="" base<br="" the="">angles. If IK = 11 and ME = 3x - 1, what is the value of x?</k>	
 In isosceles trapezoid ABCD, BC AD. The measure of <adc=4x+20 -="" 20.="" <dab="8x" and="" find<br="" measure="" of="" the="">the value of x, <adc, <abc.<="" <bcd,="" <dab,="" and="" li=""> </adc,></adc=4x+20>	
 4) In trapezoid ABCD, m<abd 30,="" =="" m<bdc="30,<br">m<adb +="" -="" 21.<br="" 40,="" 5,="" =="" ad="x" and="" bc="3x" m<bcd="70,">What are the lengths of sides AD and BC?</adb></abd> 	
5) The bases of an isosceles trapezoid ABCD measure 10 cm and 20 cm. The height (altitude) is 12 cm. How long are the leg AB and CD?	js