

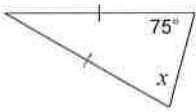
Geometry

Isosceles Triangles

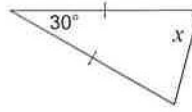
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Find the value of x .

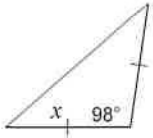
1)



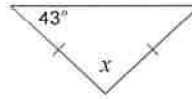
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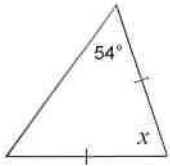
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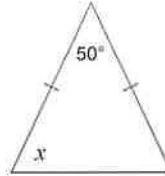
4)



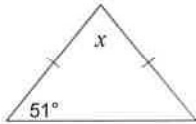
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6)



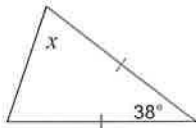
7)



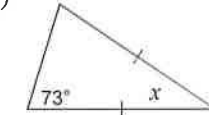
8)



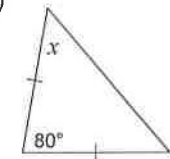
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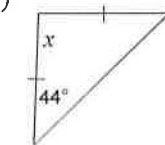
10)



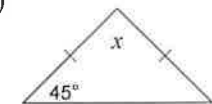
11)



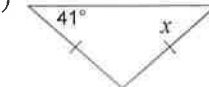
12)



13)



14)



Name: _____

Date _____

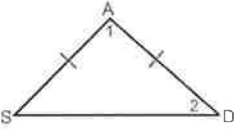
Topic: Isosceles Triangle Theorems - Worksheet 1

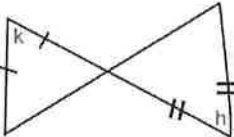
1. In $\triangle ABC$, $AB = BC \neq AC$. Is this isosceles triangle or not?

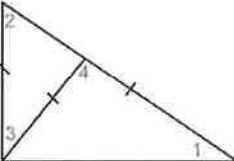
2. In $\triangle EBD$, the vertices have coordinates $E(2,-1)$, $B(0,1)$, $D(2,3)$. Show whether this triangle is isosceles or not isosceles.

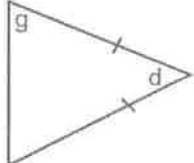
3. In $\triangle RST$, $\angle R : \angle S : \angle T$ is $3:1:2$; is this triangle is isosceles triangle?

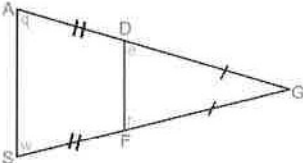
4. If two sides of a triangle are equal, the angles opposite them are equal. (True or False)

5.  If $\angle 1 = 45^\circ$,
then $\angle 2 =$ ____.

 If $k = 35^\circ$,
then $h =$ ____.

7.  If $\angle 2 = 52^\circ$,
then $\angle 1 =$ ____.

 If $g = 62^\circ$,
then $d =$ ____.

9.  If $\angle e = 50^\circ$,
then $\angle r =$ ____.

 If $\angle n = 55^\circ$,
then $\angle b =$ ____.

