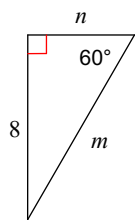


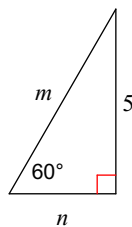
SM2 HW #7-7 (Solve "Nice" Triangles)

Find the missing side lengths. Leave your answers as radicals in simplest form.

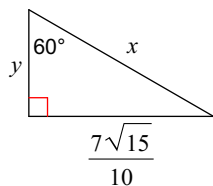
1)



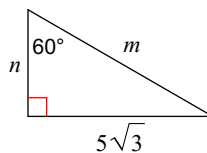
2)



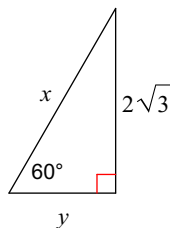
3)



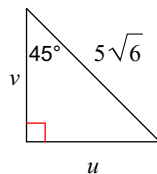
4)



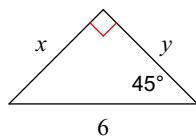
5)



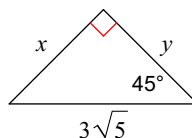
6)



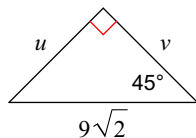
7)



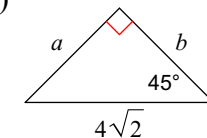
8)



9)

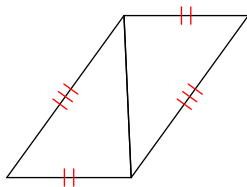


10)

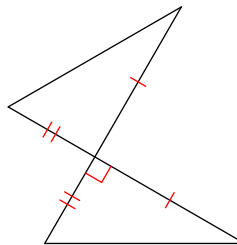


Determine if the two triangles are congruent. If they are, state how you know.

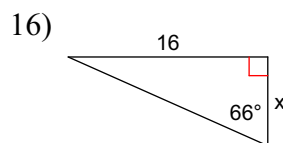
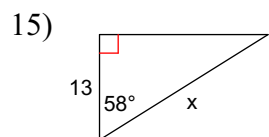
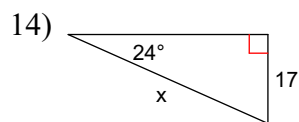
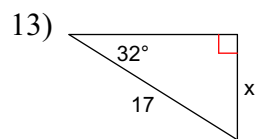
11)



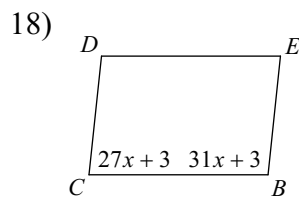
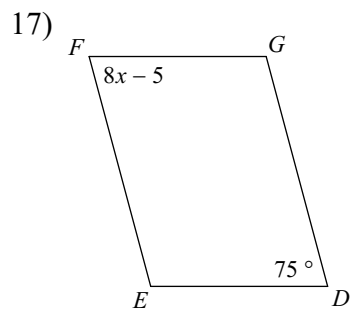
12)



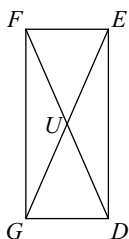
Find the missing side. Round to the nearest tenth.



Solve for x . Each figure is a parallelogram.



19) $FD = 44$
 $UD = 3x - 11$



20) $VX = 48$
 $KX = 14 + x$

