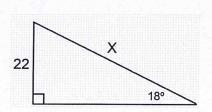
1. Use all three properties of logarithms to expand this as much as possible.

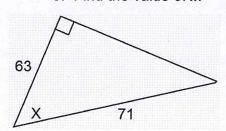


Round answers for the remaining problems to the nearest hundredth.

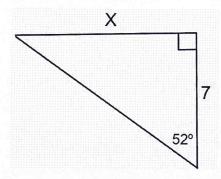
2. Find the value of x.



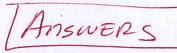
3. Find the value of x.



4. Find the value of x.



Bellwork Alg 2 Thursday, March 19, 2020



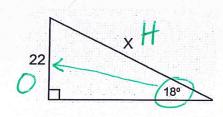
1. Use all three properties of logarithms to expand this as much as possible.

$$\ln\left(\frac{c'^2}{B^4D^6}\right) = \ln c'^2 - \ln B^4 - \ln D^6$$

$$= \sqrt{2} \ln c - 4 \ln B - 6 \ln D$$

Round answers for the remaining problems to the nearest hundredth.

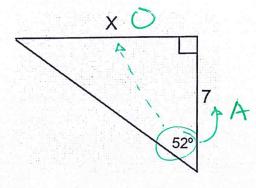
2. Find the value of x.



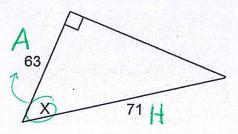
SOHCAH TOA

$$X = \frac{(22)(1)}{51018^{\circ}} = \frac{22}{51018^{\circ}}$$
 $X = 71.19$

4. Find the value of x.



3. Find the value of x.



SOHCAH TOA

$$LX = Cos^{-1} \left(\frac{63}{71} \right)$$
 $LX = 27.46^{\circ}$