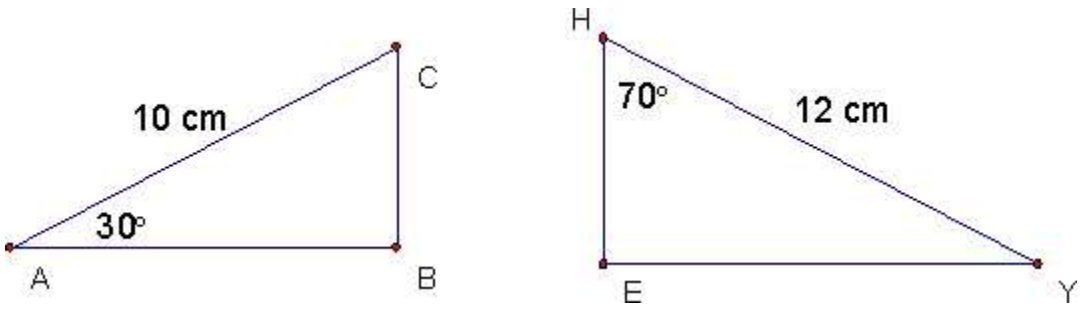
Algebra 13-8 Functions on Calculators and Computers



Make sure your calculator is set in degree mode.

1. Calculate CB above. CB = _____

2. Calculate AB above. AB = _____

3. Calculate EY above. EY = _____

4. Calculate HE above. HE = _____

5. On your graphing calculator, go to Y= and set up the following.
   $Y_1 = \sin(x)$ and $Y_2 = \cos(x)$.
   Now go to TBLSET and set TblStart = 0 and ΔTbl = 1.
   Now go to TABLE and scroll down through the values and see what you notice.
   When do the sine and cosine value equal each other?

   _____

   Go back to Y=. Leave $Y_1 = \sin(x)$ and $Y_2 = \cos(x)$.
   Set $Y_3 = \sin(x)^2 + \cos(x)^2$.
   This is simply taking your Y_1 value and multiplying it by Y_2 value.
   Go back to your TABLE.
   Using your right arrow key, move over to see Y_3 value.
   What is the value for all Y_3?

   _____

6. Since $10^3 = 1000$, log(1000) = _____.

7. Since $10^2 = 100$, log(100) = _____.

8. Since $10^6 = 1{,}000{,}000$, log(1,000,000) = _____.