1. Why do you think EE’s should know trig? Explain and expand your answer.
2. Without using your calculators or your cell phones, or any information sheet do the following

Use the identities to solve each case. Need to show your work clearly

**sin(a+b)=sin(a)cos(b)+cos(a)sin(b) and cos(a+b)=cos(a)cos(b)-sin(a)sin(b)**

You need to show your detailed work, not just the answer….Please note

sin()

sin()

cos(

cos()

1. **Think, do, and explain:** If John finishes a job in 30 minutes, and Stacy finishes the same in 20, and Jack doe it in 60minutes. How long would they take if they work together? Show your work, clearly