5.2 Trig – Angle sum and difference identities.

I will expect you to memorize:

1) $\sin(A + B) = \sin(A)\cos(B) + \sin(B)\cos(A)$
2) $\sin(A - B) = \sin(A)\cos(B) + \sin(B)\cos(A)$
3) $\cos(A + B) = \cos(A)\cos(B) - \sin(A)\sin(B)$
4) $\cos(A - B) = \cos(A)\cos(B) + \sin(A)\sin(B)$

There is an identity for tangent angle sums and difference, but you need not memorize it. HOWEVER, you should be able to use the tan formula as well as the sine and cosine.

EXTRA CREDIT

Watch at least one video below.
Work out the problems on the last 3 slides of your 5.2 lecture notes.
Complete them correctly for some extra credit.
Turn them in on Tuesday before class

A) https://www.youtube.com/watch?v=SYeBT1xjTa8

B) She does examples much like I do. At about the 9 minute mark her TAN problem looks like Japanese (video glitch) but she fixes it so you can see the whole problem worked out.
https://www.youtube.com/watch?v=G4omjINxWUE

C) Good – watch to 10 min mark
https://www.youtube.com/watch?v=MhczQotM0bE