Pre-class Questions: Sections 6.3

1. What trig identities are useful when manipulating integrals involving trig functions?
2. At the very end of the section there is a little table that advises when to use which trig substitution. It suggests that if you let $x = a\sin\theta$ how does $\sqrt{a^2 - x^2}$ simplify?
3. What questions do you have about trig techniques for integration?