Calculus Section 5.7 Inverse Trig Integration  
-Integrate functions whose antiderivatives involve inverse trig functions  
  
Let *u* be a differentiable function of x, and let a > 0

Homework: page 380 #’s 1-8, 33

1)  2)  3) 

We only need these three because the pairs of derivatives from 5.6 match up with the negatives (i.e. an integral equaling arccosx is the same as -arcsinx, so arccosx isn’t really needed).

**Examples)**1)  2)  3) 

**Integration by Substitution  
Example)** 



**Completing the Square**  
Find