Section 2: Inverse trigonometric functions

Crucial points

1. **Be careful to use the chain rule correctly when differentiating composite functions involving inverse trig functions**
   Make sure that you are confident with this – see the Notes and Examples if you are not sure.

2. **Make sure that you apply the standard integrals correctly**
   Remember in particular that the coefficient of x^2 must be 1, and that if it isn't you must take out a factor or use a substitution before carrying out the integration.

3. **Make sure that you are confident in completing the square so that the standard integrals can be applied**
   Get plenty of practice in this if you are not confident with it!