7.5 Inverse Trigonometric Functions II

# OBJECTIVE 1: Evaluating Composite Functions Involving Inverse Trigonometric Functions of the Form and

**Cancellation Equations for the Restricted Sine Function and its Inverse**  
 for all *x* in the interval   
 for all  in the interval .

**Cancellation Equations for the Restricted Cosine Function and its Inverse**  
 for all *x* in the interval   
 for all in the interval .

**Cancellation Equations for the Restricted Tangent Function and its Inverse**  
 for all *x* in the interval .  
 for all in the interval .

**Do not get into the habit of using a calculator to evaluate the composition of trigonometric expressions as it is possible to get false results.**

# OBJECTIVE 2: Evaluating Composite Functions Involving Inverse Trigonometric Functions of the Form and