

Chapter 9 – Section 9.3 Sum and Difference Formulas for Sine and Cosine

TICKET-IN-THE-DOOR

In order to be prepared for class you must watch the module and complete the following activity. This is due first thing when you get to class.

Check your understanding:

1. Find the **exact** values using the Sum or Difference Formulas.

a. $\sin 345^\circ$

b. $\sin 105^\circ$

c. $\cos 285^\circ$

2. Does $\cos(3t) = 4\cos^3 t - 3\cos t$? (Hint: Use your trig identities)