QUIZ 6.1 – 6.2

1. Determine the non-permissible values of *x*, in radians, for each expression.
a)

b)

c)
2. Simplify each expressions to one of the 3 primary trigonometric functions, sinx, cosx, or tanx (without finding the non-permissible values).

a)

b)

c)

d)
3. Verify that the equation is true for and for .
4. Determine the restrictions, and prove the following identity :
5. Write each expression as a single trigonometric function :
a)

b)

c)

d)

e)
6. Give the exact value for each expression :
a)
b)

c)

d)
7. Angle is in quadrant II and . Determine an exact value for .
8. Angle is in quadrant II, angle is in quadrant III, , and .
Determine the value of .