Sum/Difference Angle Identities

It will be helpful to have a filled in Unit Circle to refer to as you work through this lesson!



1 - tan # tan 27

Once we obtain radian values that sum to $\frac{11\pi}{12}$, we apply the Sum Identity for tangent, plug in the Unit Circle values, and then simplify.

$$1 - (-13)$$

 $1 - 13$
 $1 + 13$



Sample Answer:

 $cos(x + \pi) = cosxcos\pi - sinxsin\pi$ = cosx \cdot (-1) - sinx \cdot (0) = -cosx