

Name: \_\_\_\_\_ Date: \_\_\_\_\_  
MAT1375 – Mr. Kan Trigonometry: Sum & Difference Formulas

Watch the video: <https://youtu.be/pHJE2DdmLnc>

1) Using a sum or difference angle formula, find the exact value of  $\sin\left(\frac{5\pi}{12}\right)$ . Convert to degrees first.

2) Using a sum or difference angle formula, find the exact value of  $\tan\left(\frac{11\pi}{12}\right)$ . Convert to degrees first.

3) Using a half angle formula, find the exact value of  $\sin(22.5)$ .

4) Why do I hate nerds?