

Handout for LessonPlan 19

Find the EXACT values!

1) $\tan\left(-\frac{7\pi}{12}\right) =$

2) Use a product to sum identity to find $\sin(45^\circ)\sin(15^\circ) =$

3) Use the sum to product identity to find $\cos(75^\circ) - \cos(345^\circ)$

4) Solve this equation: $\sin(2\theta) - \cos(\theta) = 0$ over $[0, 2\pi]$

5) For the parametric equation, remove the parameter:

$$x = 2t \quad y = t + 6$$

6) Find parametric equations for a line with slope $1/2$ passing through $(4, -1)$.
Then eliminate the parameter.

7) Graph with a calculator and then sketch the graph

$$x = \sin 4t \quad y = \cos 3t$$