

Name: _____

Mathematics 1613: Trigonometry Quiz #13

$$\cos(\alpha - \beta) = \cos \alpha \cos \beta + \sin \alpha \sin \beta$$

$$\sin(\alpha - \beta) = \sin \alpha \cos \beta - \cos \alpha \sin \beta$$

39: Evaluate $\tan \frac{7\pi}{12}$.

40: Use the above formulas to find expressions for the following:

$$\sin(2\theta)$$

$$\tan(\theta + \pi)$$

$$\cos(\theta + 2\pi)$$