Math 1150 - Autumn 2017 Name: _____

Quiz 7; Form A - In Class (10 pts)   Recitation Time: _____

SHOW ALL WORK!!! Unsupported answers might not receive full credit. Furthermore, please give me EXACT answers. You have 10 minutes to complete this quiz.

Problem 1   [2 pts] Find the reference angle for $-\frac{8\pi}{3}$.

Problem 2   [2 pts] Identify the coordinates on the unit circle corresponding to $t = \frac{5\pi}{6}$.

Problem 3   [6 pts] Identify the amplitude, period, and phase shift for $y = -2\sin\left(\frac{1}{2} + \frac{\pi}{4}\right)$. Then, graph the function, identifying the 5 key points in one full period in your graph.