

Name: _____

Panther ID: _____

Pop-Quiz 1

Trigonometry

Summer A 2016

1. Find, without a calculator, the exact value of each of the following. Use the unit circle to find a reference angle. Specify if the expression is undefined

$$\sin(7\pi/6) =$$

$$\cos(90^\circ) =$$

$$\cos(540^\circ) =$$

$$\cot(540^\circ) =$$

$$\sec(-\pi/3) =$$

$$\tan(11\pi/4) =$$

2. (a) Given that θ is an angle in the first quadrant and that $\cos(\theta) = \frac{3}{5}$, find, without calculator, the exact value of each of the following

$$\sin(\theta) =$$

$$\tan(\theta) =$$

$$\sec(\theta) =$$

(b) Given that θ is an angle in the fourth quadrant and that $\cos(\theta) = \frac{3}{5}$, find, without calculator, the exact value of each of the following

$$\sin(\theta) =$$

$$\tan(\theta) =$$

$$\csc(\theta) =$$