Practice worksheet | Trigonometry

Unit-circle definitions and exact values

Name: _____ Date: _____

6 questions | 18 marks

1. Find $\sin(7\pi/6)$ exactly. [3 marks]

2. Find $\cos(3\pi/4)$ exactly. [3 marks]

3. Find $\tan(5\pi/3)$ exactly. [3 marks]

4. Find $\sin(11\pi/6)$ and $\cos(11\pi/6)$. [3 marks]

5. If $\cos\theta = -3/5$ in quadrant III, find sine and tangent. [3 marks]

6. Explain why $\tan(\pi/2)$ is undefined. [3 marks]