Practice worksheet | Trigonometry

Unit-circle definitions and exact values

Name: _____ Date: _____

6 questions | 18 marks

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

2. Find $\cos(\frac{3\pi}{4})$ exactly. [3 marks]

3. Find $\tan(\frac{5\pi}{3})$ exactly. [3 marks]

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

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

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