Unit-circle meaning

Name: _____ Date: _____

6 questions | 13 marks

1. Give the exact unit-circle coordinates at 60°. [2 marks]

2. Find $\sin 210^\circ$ exactly. [2 marks]

3. Find $\cos 240^\circ$ exactly. [2 marks]

4. Find $\tan 135^\circ$ exactly. [2 marks]

5. Do 45° and 765° identify the same unit-circle point? Explain. [2 marks]

6. For a quadrant-II angle, $\cos\theta = -\frac{3}{5}$. Find $\sin\theta$ and $\tan\theta$ exactly. [3 marks]