

Unit 7: Trigonometric Functions

PRACTICE · SET 2

Name: _____

Date: _____

Evaluate each expression exactly using the unit circle. Give exact values (fractions, square roots, or coordinates) — no decimals.

1. Evaluate $\cos(0^\circ)$.

Answer: _____

2. Evaluate $\sin(90^\circ)$.

Answer: _____

3. Evaluate $\sin(30^\circ)$.

Answer: _____

4. Evaluate $\cos(60^\circ)$.

Answer: _____

5. Evaluate $\cos(45^\circ)$. Give the exact value.

Answer: _____

6. Evaluate $\sin(60^\circ)$. Give the exact value.

Answer: _____

7. Evaluate $\tan(45^\circ)$.

Answer: _____

8. Evaluate $\tan(30^\circ)$. Give the exact value.

Answer: _____

9. Give the coordinates (x, y) of the point on the unit circle at angle 180° .

Answer: _____

10. Evaluate $\cos(90^\circ)$.

Answer: _____

11. Evaluate $\tan(0^\circ)$.

Answer: _____

12. Evaluate $\sin(\pi/6)$ (that is, $\sin(30^\circ)$).

Answer: _____