

Unit Circle Worksheet

Choose the correct answer from the given options.

1) What is the sine of 30° ?

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|-----------------|------|
| a) $1/2$ | c) 0 |
| b) $\sqrt{3}/2$ | d) 1 |

2) What is the cosine of 180° ?

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|-------|--------------|
| a) -1 | c) Undefined |
| b) 0 | d) 1 |

3) In which quadrant is the sine function negative?

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|----------------|-----------------|
| a) Quadrant I | c) Quadrant III |
| b) Quadrant II | d) Quadrant IV |

4) The tangent of 90° is:

- | | |
|--------------|-------|
| a) 1 | c) 0 |
| b) Undefined | d) -1 |

Determine if the statements are True or False.

- The cosine function is positive in Quadrants I and III.
- The sine of 270° is -1.