

Name: _____

Date _____

Topic: Arc Length and Radian Measure - Worksheet 1

Evaluate the Following:

1. Convert $\pi/9$ radians to degrees.
2. Convert 65° to radian measure.
3. Convert $6\pi/5$ to degrees.
4. Convert 122° to radian measure.
5. Convert 135° to radian measure.
6. The number of radians in a complete rotation is approximately ____.
7. Convert $4\pi/5$ radians to degrees.
8. Convert 85° to radian measure.
9. Convert $8\pi/4$ to degrees.
10. Convert 180° to radian measure.



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Topic: Arc Length and Radian Measure - Worksheet 2

Evaluate the Following:

1. Convert $\pi/3$ radians to degrees. 2. Convert 125° to radian measure.

3. Convert $4\pi/3$ to degrees. 4. Convert 77° to radian measure.

5. Convert 45° to radian measure. 6. Convert 92° to radian measure.

7. Convert $8\pi/7$ radians to degrees. 8. Convert 65° to radian measure.

9. Convert $9\pi/5$ to degrees. 10. Convert 175° to radian measure.



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Topic: Arc Length and Radian Measure - Worksheet 3

Evaluate the Following:

1. Convert $\pi/6$ radians to degrees. 2. Convert 108° to radian measure.

3. Convert $6\pi/9$ radians to degrees. 4. Convert 66° to radian measure.

5. Convert 98° to radian measure. 6. Convert 84° to radian measure.

7. Convert $2\pi/5$ radians to degrees. 8. Convert 158° to radian measure.

9. Convert $8\pi/6$ to degrees. 10. Convert 235° to radian measure.



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Topic: Arc Length and Radian Measure - Worksheet 4

Evaluate the Following:

1. Convert $\pi/2$ radians to degrees.
2. Convert 120° to radian measure.
3. Convert $3\pi/10$ radians to degrees.
4. Convert 46° to radian measure.
5. Convert 79° to radian measure.
6. Convert 105° to radian measure.
7. Convert $8\pi/3$ radians to degrees.
8. Convert 113° to radian measure.
9. Convert $4\pi/8$ to degrees.
10. Convert 215° to radian measure.



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Topic: Arc Length and Radian Measure - Worksheet 5

Evaluate the Following:

1. Convert $3\pi/6$ radians to degrees.
2. Convert 188° to radian measure.
3. Convert $9\pi/9$ radians to degrees.
4. Convert 32° to radian measure.
5. Convert 111° to radian measure.
6. Convert 215° to radian measure.
7. Convert $10\pi/7$ radians to degrees.
8. Convert 78° to radian measure.
9. Convert $2\pi/4$ to degrees.
10. Convert 365° to radian measure.

