Questions: Introduction to radians

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Questions relating to the introduction to radians study guide.

*Before attempting these questions, it is highly recommended that you read* [*Guide: Introduction to radians*](../studyguides/radians.qmd)*.*

## Q1

Convert the following angle measures in degrees into radians, giving your answer as both a fraction of and a real number to three decimal places.

1.1.

1.2.

1.3.

1.4.

1.5.

1.6.

## Q2

Convert the following angle measures in radians into degrees. If your answer is a decimal, you should give your answer to three decimal places.

2.1.

2.2.

2.3.

2.4.

2.5.

2.6.

## Q3

Find the length of arc and the area of the sector of the following specified objects, giving your answer as either a fraction of or expressing your answer to three decimal places.

3.1. circle with radius over an angle of

3.2. circle with radius over an angle of

3.3. circle with radius over an angle of

[After attempting the questions above, please click this link to find the answers.](../answers/as-radians.qmd)