Answers: Introduction to radians

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Answers to the questions relating to the guide on radians.

*These are the answers to* [*Questions: Introduction to radians*](../questions/qs-radians.qmd)*.*

**Please attempt the questions before reading these answers!**

## Q1

1.1. Multiplying by and dividing by gives to three decimal places.

1.2. Multiplying by and dividing by gives to three decimal places.

1.3. Multiplying by and dividing by gives to three decimal places.

1.4. Multiplying by and dividing by gives to three decimal places.

1.5. Multiplying by and dividing by gives to three decimal places.

1.6. Multiplying by and dividing by gives to three decimal places.

## Q2

2.1. Multiplying by and dividing by gives .

2.2. Multiplying by and dividing by gives .

2.3. Multiplying by and dividing by gives to three decimal places.

2.4. Multiplying by and dividing by gives to three decimal places.

2.5. Multiplying by and dividing by gives to three decimal places.

2.6. Multiplying by and dividing by gives to three decimal places.

## Q3

3.1. In this case, the length of the arc is (to 3dp) and the area of the sector is (to 3dp).

3.2. In this case, the length of the arc is (to 3dp) and the area of the sector is (to 3dp).

3.3. In this case, the length of the arc is (to 3dp) and the area of the sector is (to 3dp).