

## Chapter 1

# Real Numbers

Assessment based on Exercise 1.3 Question 3

### Question 1:

Prove that the following number is irrational:  $\frac{1}{\sqrt{3}}$

### Solution:



## Chapter 1

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### Question 2:

Prove that the following number is irrational:  $\frac{2}{\sqrt{5}}$

### Solution:



## Chapter 1

# Real Numbers

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### Question 3:

Prove that the following number is irrational:  $\frac{3}{\sqrt{7}}$

### Solution:



## Chapter 1

# Real Numbers

### Assessment based on Exercise 1.3 Question 3

#### Question 4:

Prove that the following number is irrational:  $\frac{3}{2\sqrt{5}}$

#### Solution:



## Chapter 1

# Real Numbers

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### Question 5:

Prove that  $\frac{2\sqrt{3}}{5}$  is irrational.

### Solution:

