Chapter 1
Real Numbers

Assessment based on Exercise 1.3 Question 2

Question 1:

Prove that $2 + 3\sqrt{2}$ is an irrational number.

Solution:

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Question 2:

Prove that $4 - 3\sqrt{2}$ is an irrational number.

Solution:

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Question 3:
Prove that the following number is irrational: $4 + 3\sqrt{2}$

Solution:

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Question 4:
Prove that the following number is irrational: $3+5\sqrt{2}$

Solution:

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Question 5:

Prove that the following number is irrational: $8 - \sqrt{2}$

Solution: