

# COL352

## Problem Set 1

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## 1 Question 1

Question 1

**Question.**

*Solution.*



## 2 Question 2

Question 1

**Question.**

*Proof.*



### 3 Question 3

Question 1

**Question.**

*Proof.*



## 4 Question 4

Question 1

**Question.**

*Solution.*



## 5 Question 5

Question 1

**Question.**

*Proof.*



## 6 Question 6

Question 1

**Question.**

*Proof.*

