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**Contents**

[**Assignment 5** 3](#_Toc517954178)

[**Question** 3](#_Toc517954179)

# **Assignment 5**

# **Question**

***Write a R program and find X Y Z***

***x + y – z = –2***

***2x – y + z = 5***

***–x + 2y + 2z = 1***

To solve these equations, we can formulate the given equations in the form of matrices as follows:

A \* x = b

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x = A-1 \* b

= ) \*

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=>

x = 1, y = -1, z = 2

***Code:***

A = matrix(c(1,2,-1,1,-1,2,-1,1,2), ncol = 3)

B = matrix(c(-2,5,1))

x = solve(A) %\*% B

print(x)

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