

# MCV 4UI Assignment #1

**Due (Final Submission Date):** Thursday March 7, 2019

Categories/Criteria	Level R to 1	Level 2	Level 3	Level 4
<b>Thinking</b>				
• Develops and carries out strategies for solving problems	Demonstrates limited ability	Demonstrates some ability	Demonstrates considerable ability	Demonstrates thorough ability
<b>Knowledge and Understanding</b>				
• Draws neat and appropriate diagrams for each question	Demonstrates limited ability	Demonstrates some ability	Demonstrates considerable ability	Demonstrates thorough ability
<b>Application</b>				
• Uses the appropriate formulas and calculations	Demonstrates limited ability	Demonstrates some ability	Demonstrates considerable ability	Demonstrates thorough ability
<b>Communication</b>				
• Presents proper solutions using appropriate language and form	Demonstrates limited ability	Demonstrates some ability	Demonstrates considerable ability	Demonstrates thorough ability



**PLAGIARISM WILL NOT BE TOLERATED**



You are encouraged to collaborate to solve this problem. However, each student must submit their own **unique** solution.

**READ CAREFULLY**

A mass of 15 kg is suspended by two cords from a ceiling. The cords have lengths of 15 cm and 20 cm, and the distance between the points where they are attached on the ceiling is 25 cm. Determine the magnitudes of the tension in each of the two cords, using only the Resolution of Forces Method.