Concordia University, Individual project, Winter 2020

**Course**: Applied Advanced Calculus, ENGR233

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1. Answer:
   1. Intersection between 2 planes:
      * So, intersection:
      * Now Calculate the distance:

Coordinates of Hence, **Distance =**

1. Answer:
   * + Now find :
2. a)

b)

Thus, the equation is:

1. Answer:
2. An integral is path-independent if

So, the integral in not path-independent

1. Answer:

Upper y limit:

1. Age
2. Answer: