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EPARTMENT:	ELECT/ELECT ENGR
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ASSIGNMENT 3

* If $\emptyset = x^2yz^3 + xy^2z^2$, write a MATLAB m-file program to determine gradient point P(1, 3, 2)

```
1.  Command window
2.   clear
3.   clc
4.  Syms x, y
5.   Syms z
6.  A = (x^2 * y * z^3) + (x * y^2 * z^2)
7.   U = diff (A, x)
8.   V = diff (A, y)
9.   W = diff (A, z)
10    x = 1
11.   y = 3
12.   z = 2
13.  Un = Subs (U)
14   Vn = Subs (V)
15.  Wn = Subs (W)
```