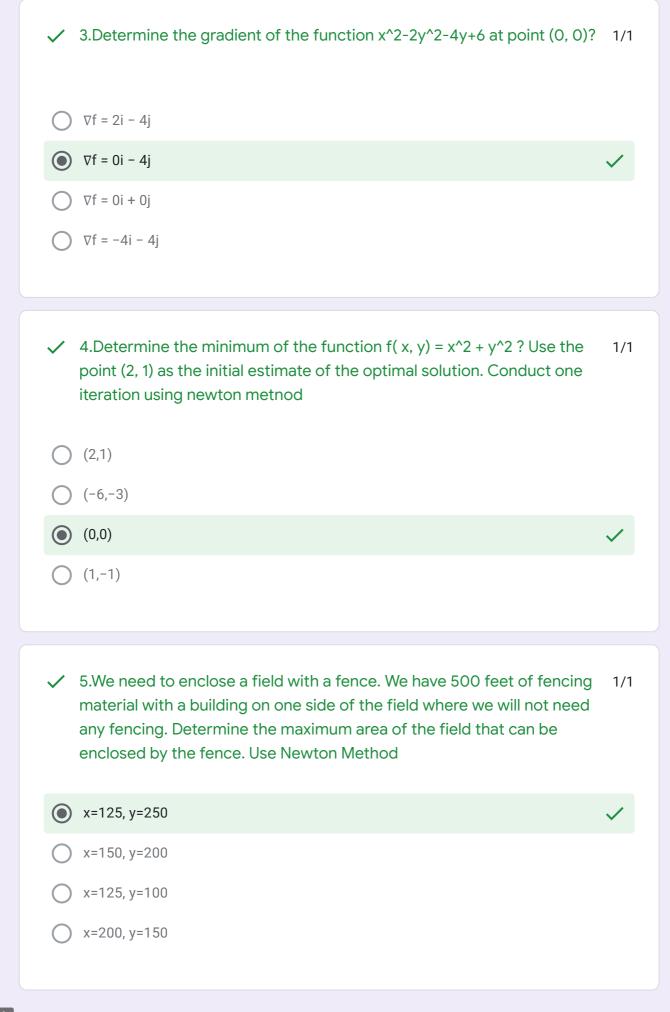
## Optimization Techniques

Total points 10/10 ?





Unit3
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<ul> <li>✓ 1.When the gradient descent method is started from a point near the solution, it will converge very quickly.</li> </ul>
✓ False
2.When Newton's method is started from a point near the solution, it will 1/1 converge very quickly.
Option 1  False



✓ 6. For what value of x , is the function $x^2 - 2x - 6$ minimized?	1/1
O 0	
1	<b>~</b>
O 5	
○ 3	
7.Constraint in an LP model restricts	1/1
value of the objective function	
value of the decision variables	
use of the available resources	
all the options	<b>~</b>
✓ 8.In simplex method, the feasible basic solution must satisfy the	1/1
non-negativity constraint	<b>✓</b>
negativity constraint	
o basic constraint	
ocommon constraint	

9.If two constraints do not intersect in the positive quadrant of then	the graph 1/1
• the problem is infeasible.	<b>✓</b>
the solution is unbounded.	
One of the constraints is redundant.	
None of the options	
✓ 10 In the optimal simplex table ci-zi=0 value indicates	1/1
✓ 10.In the optimal simplex table cj-zj=0 value indicates	1/1
✓ 10.In the optimal simplex table cj-zj=0 value indicates  unbounded solution	1/1
	1/1
unbounded solution	1/1
<ul><li>unbounded solution</li><li>cycling</li></ul>	1/1

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