

Mathematics – Level1

Critical Points

Q1: Let $f'(x) = x^2 - x - 2$, then the critical points will be:

a) -1	b) 2	c) $-1, 2$	d) <i>None</i>
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Q2: Let $f(x) = 2x^2 - 4$, then the critical points will be:

a) 2	b) 0	c) $0, 4$	d) $0, 2$
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Q3: Let $f(x) = x^4 - 3x^2 + 2$, then the critical points will be:

a) $\frac{\sqrt{6}}{2}, -\frac{\sqrt{6}}{2}$	b) $0, \frac{\sqrt{6}}{2}$	c) $0, -\frac{\sqrt{6}}{2}$	d) $0, -\frac{\sqrt{6}}{2}, \frac{\sqrt{6}}{2}$
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