Regents Exam Question	ns F.BF.B.3: Ever	and Odd	Functions	2
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Name:	

F.BF.B.3: Even and Odd Functions 2

1 Algebraically determine whether the function $j(x) = x^4 - 3x^2 - 4$ is odd, even, or neither.

F.BF.B.3: Even and Odd Functions 2 Answer Section

1 ANS:

$$j(-x) = (-x)^4 - 3(-x)^2 - 4 = x^4 - 3x^2 - 4$$
 Since $j(x) = j(-x)$, the function is even.

REF: 081731aii