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Chapter 7

1. Let $f(x, y) = 4x^2 - y$. Compute $f(2, 0)$.
Ans: 16
Difficulty: easy Section: 7.1
2. $f(x, y) = 4x^2 - y$. Compute $f(3, 0)$.
Ans: 36
Difficulty: easy Section: 7.1
3. Let $f(x, y) = 9xy$. Compute $f(7, 0)$.
Ans: 0
Difficulty: easy Section: 7.1
4. Compute $f(8, 1)$ if $f(x, y) = 8xy^3$.
A) 64 B) 4,096 C) 8 D) 512
Ans: A Difficulty: easy Section: 7.1
5. Let $f(x, y) = 5xy$. Compute $f(9, 0)$.
Ans: 0
Difficulty: easy Section: 7.1
6. Compute $f(\ln 2, \ln 5)$ if $f(x, y) = e^{2xy}$.
A) 20 B) 10 C) 9 D) None of the above
Ans: A Difficulty: moderate Section: 7.1

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