

**Quick Hit 7.2**

1. Let  $f(x, y) = 3x^2 - xy + 3y + 1$ . Compute  $\frac{\partial f}{\partial x}$  and  $\frac{\partial f}{\partial y}$ .

2. Let  $g(x, y) = \ln(4 + 5x^2 + y^4)$ . Compute  $\frac{\partial g}{\partial x}$  and  $\frac{\partial g}{\partial y}$ .