Q1. Set up the both sides of the Greens’ theorem along the closed path (triangle) determined by \((1, 1)\), \((3, 1)\) and \((-2, 4)\) assuming that \(P = x^2 y\) and \(Q = xy^2\). Do not compute integrals in this question.

Q2. Compute the line integral for the above function along \((3, 1)\) and \((-2, 4)\).