

Math 3298 Worksheet 8

Group members (2 to 4): _____

- (1) If $g(x, y) = x^{10} - xy$, $u(s, t) = s^2 - t$, and $v(s, t) = st - 1$, compute $\frac{\partial}{\partial s}g(u, v)$ at the point $s = 1$, $t = 3$ using the multivariate chain rule.