

Homework assigned Wednesday, March 28.

- (1) Assume that $f(x, y)$ is directly proportional to xy and that $f(5, 3) = 45$. Find $f(7, 4)$. *Answer:* $f(7, 4) = 84$.
- (2) Let $f(x, y)$ be directly proportional to x^2y and that $f(3.1, 2.6) = 8.7$. Find both a formula for $f(x, y)$ and $f(5.3, 7.6)$. *Answer:* $f(x, y) = .34819x^2y$, $f(5.3, 7.6) = 74.334$.