Business PreCalculus MATH 1643 Section 004, Spring 2014 Homework 22

- 1- Assume that y varies directly as the square of x, and y = 64 when x = 2. Find y when x = 5.
- **2-** Assume that y varies inversely as the cube of x, and y = 1 when x = 2. Find y when x = 4.
- **3-** Assume that z varies jointly as u and the cube of v and inversely as the square of w, and z = 9 when u = 4, v = 3 and w = 2. Find w when u = 27, v = 2 and z = 8.
- **4-** Assume that P varies jointly as T and the square of Q, and P=36 when T=17 and Q=6. Find P when T=4 and Q=9.