

KSU – Chemical Engineering Department
ChE 320 (Chemical Reactor Engineering) – TUT #12

Name:

ID:

SN:

Consider Problem 12.17 in your textbook.

- a. Derive an expression for conversion X , in terms of τ , k , and K_C .
- b. Plot G and R on the same graph.
- c. Find the conversion at the steady state point.

Note: $UA = 7100 \text{ cal/h.K}$