

CEEN 3304 Reinforced Concrete Design

Final Exam

Date: 5-6-2022

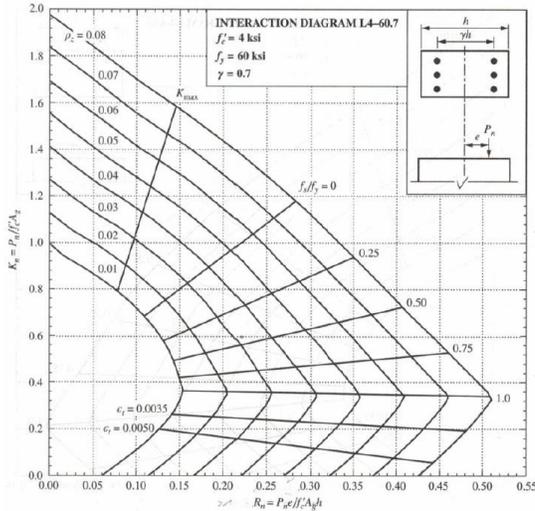
Theory
(8 minutes)

Name: _____

Grade: _____

Theory Questions (8 points)

1. How would you proceed if during the design of a column your K_n factor is 1.6 and your R_n factor is 0.30, following the ACI 318 column interaction diagram shown below?



2. How do you know when a reinforced concrete beam does not need stirrups to resist the shear forces acting on it, according to the ACI 318 code?