Answers to Practice Problems for Exam 3
FOR 205

Answer to 1.) 302 dots / 64 dots per square inch * 40 acres per square inch = 188.75 acres

(see lecture notes for cruise design & layout to see how to calculate the number of acres per square inch)

Answer to 2.) \[ n = \frac{t^2 \cdot CV^2}{A^2} = \frac{1.96^2 \cdot 55.3^2}{15^2} \approx 52 \text{ or } 53 \text{ plots} \]

Answer to 3.) \[ \frac{130 \text{ acres}}{52 \text{ plots}} = 2.5 \text{ acres / plot} \cdot 10 \text{ square chains per acre} = 25 \text{ plots or } 5 \times 5 \text{ chains.} \]

Answer to 4.) \[ SDI = 245 \left( \frac{10}{9.3} \right)^{-1.605} = 218 \text{ tpa} \]

\[ RD = \frac{218}{400} \cdot 100 = 55\% \]

Answer to 5.)

BAG = …more to come…

For answers to the other questions, read your lecture notes (Lectures 10, 11, 12, 13, & 14)