1.3 : Models and Their Use

* Turn in syllabus??

* 10 Minutes to "polish up" 1.b Assignment

* More detail on Problem 1.8

* Assignment Time - Finishing up Chapter 1
What does "good" work look like

Problem 1.9
a) How many pies are sold in 4 hours?

Total Pies = (Pizza Rate) × (Time)

\[
= \frac{18 \text{ pies}}{4 \text{ minutes}} \times 4 \text{ hours} \\
= \frac{18 \text{ pies}}{4 \text{ minutes}} \times 4 \text{ hours} \times \frac{60 \text{ minutes}}{1 \text{ hour}}
\]

\[
= 1080 \text{ pies}
\]

Approximately 1080 pies are sold in 4 hours

b) When will phone order profits exceed $1,000

\[
$1000 \times \frac{10 \text{ orders}}{$11} = 909.09 \text{ orders}
\]

\[
909.09 \text{ orders} \times \frac{4 \text{ minutes}}{18 \text{ orders}} = 202.02 \text{ minutes}
\]

Profit will exceed $1,000 at 8:23 pm

Assignment (Due Monday 9/10)

1) Problems 1.5, 1.9, 1.10, 1.12, 1.13

2) Look over old problems to prepare for quiz (Monday)

3) Syllabus signed

*Please have me check your solutions for the first two parts of 1.9