Applied Math
Unit Conversion

✅ Course Objectives

1. Use conversion factors to perform English and metric unit conversions for length, mass, volume, pressure, density, energy, and power.
2. Perform English/metric unit conversions.
3. Use a formula to perform Fahrenheit/Celsius temperature conversion.
4. Calculate elapsed time.
5. Perform addition, subtraction, multiplication, and division of unit values.

📝 Questions

1. A process produces 55 gal per minute. How much product is produced per day?

2. Acetic acid has a boiling point of 118.1 °C. Convert the boiling point to degrees Fahrenheit.

$$F = 1.8\,C + 32$$

3. Acetic anhydride has a melting point of -73.1 °F. Convert the melting point to degrees Celsius.

$$F = 1.8\,C + 32$$

4. A batch process starts at 10:30 AM and finishes at 3:00 PM. How long does the batch process take to complete?

If a batch finishes at 12:30 PM, what time did the batch start?