Exam Review...

Chapter 4: Conversions in SI & Imperial

http://mvhs.nbed.nb.ca/sites/mvhs.nbed.nb.ca/files/noteattach//y2016/Jan/chp._4_test_-_systems_of_measurement_and_converting_sept._2015.pdf

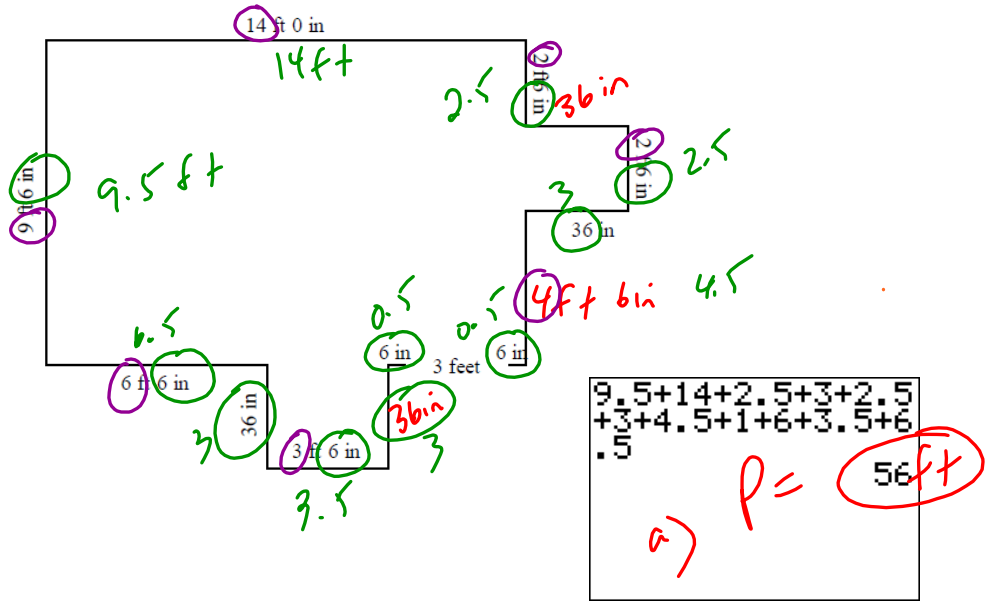
Chapter 5: Temperature/Mass/Volume

http://mvhs.nbed.nb.ca/sites/mvhs.nbed.nb.ca/files/noteattach//y2016/Jan/chp._5_test_-_mass_temperature_and_volume_oct._2015.pdf

TOMORROW: Chp. 6 - SA/Volume/Capacity

Chp. 7/8 - Angles/Trig

Go over these tests...check/correct!



4. a) Calculate the amount of baseboard that will be needed to finish the room below. [3]
   b) If you can buy baseboard only in 10 foot lengths, how much will it cost if baseboard costs $2.15/foot? [2]

Need 60ft x $2.15/foot = $129

60.35 bu = 1 t

4. The conversion factor for iceberg lettuce is 60.35 bu/t. What would be the weight of 9 bushels, in **kilograms**? [2]

1 t = 60.35 bu

$$9\,\text{bu} \times \frac{1\,\text{t}}{60.35\,\text{bu}} \times \frac{1000\,\text{kg}}{1\,\text{t}} = 149.1\,\text{kg}$$

Weight = _____

6. An elevator has a maximum capacity of 1350 lb. Charlie weighs 245 lb and he has 25 pallets of paper to deliver in the building. Each pallet weighs 62 kg.

a) If Charlie always rides the elevator with his paper deliveries, how much remaining capacity does the elevator have in **kilograms**? [2]

1350
− 245
1105 lbs

1105 lbs × 1 kg / 2.2 lbs = 502.3 kg

Remaining Capacity = 502 kg

b) How many pallets at a time can Charlie load into the elevator? **He cannot load partial pallets**. [1]

502 / 62 =

Number of Pallets = 8

c) How many trips will Charlie make to deliver **all** the paper? [1]

25 / 8

Number of Trips = 4