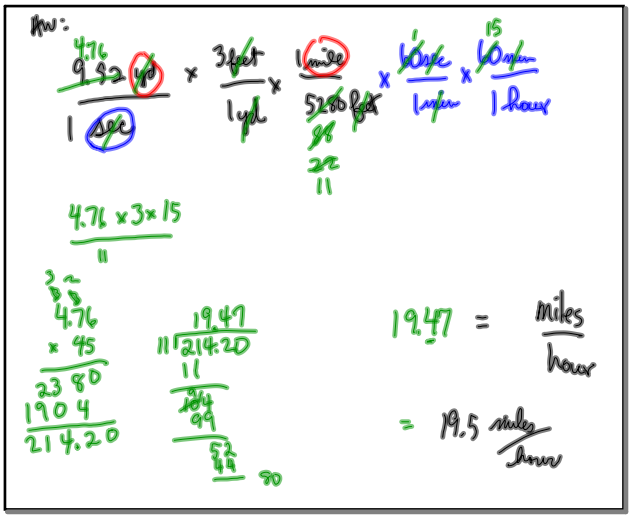
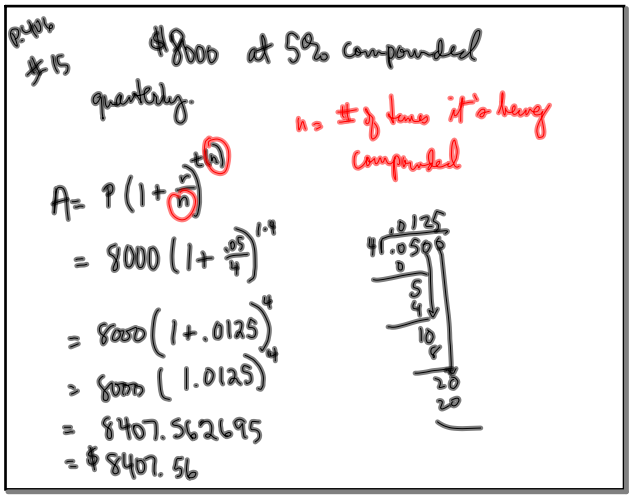


Oct 30-3:02 PM



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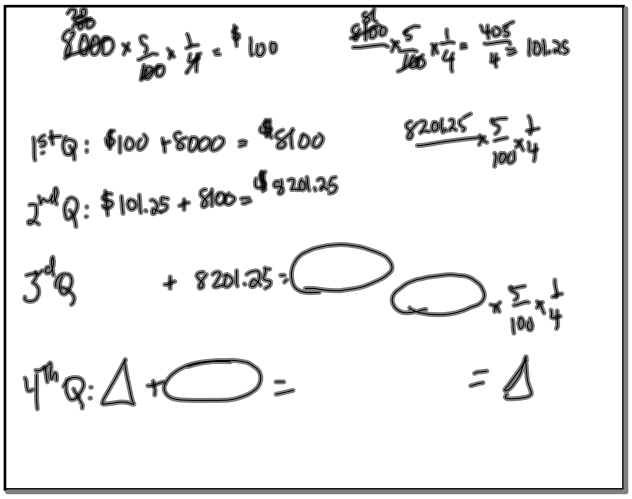

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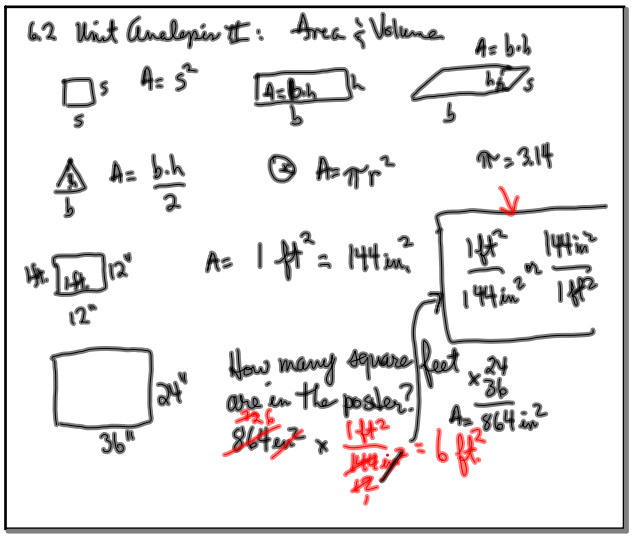
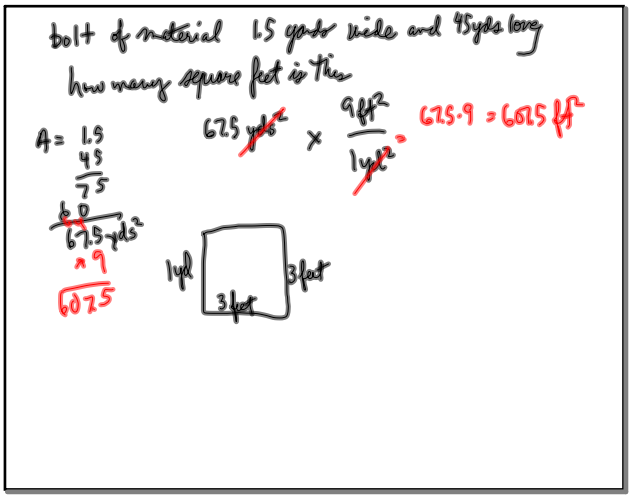
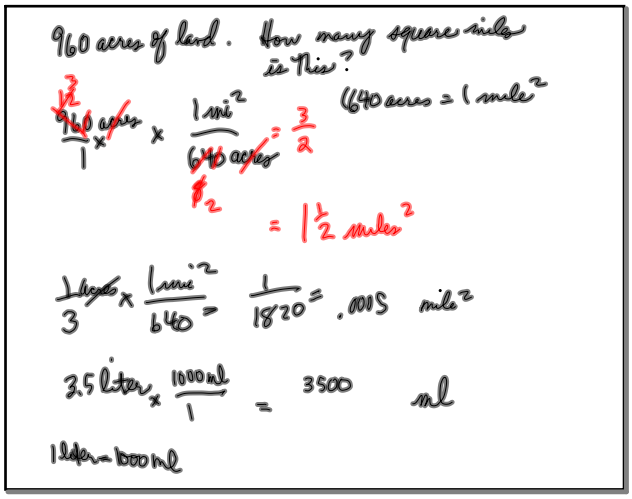


Oct 30-3:25 PM



Oct 30-3:32 PM



Oct 30-3:37 PM

128 cubic feet = cubic inches

$128\ ft^3 \times \frac{1728\ in^3}{1\ ft^3} = 128 \cdot 1728 = 221{,}184\ in^3$

$1\ ft^3 = 1728\ in^3$

12
×12
144
×12
288
144
1728

Oct 30-3:45 PM

6.3 Unit Analysis III: Weight

$15\ lbs \times \frac{16\ oz}{1\ lb} = 15 \cdot 16 = 240$ ounces

5 tons → lbs. $\frac{5\ tons}{} \times \frac{2000\ lbs}{1\ ton} = 10{,}000\ lbs$

1 ton = 2000 lbs.

$250{,}000\ mg \times \frac{1\ gram}{1000\ mg} \times \frac{1\ kg}{1000\ grams} = \frac{1}{4}\ kg$

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$\frac{250{,}000}{1} \times \frac{1}{1000} \times \frac{1}{1000} = \frac{1}{4}\ kg$

$113\ lbs \times \frac{1\ kg}{2.2\ lbs} = \frac{113}{2.2} = 51.36\ kg$

2.2 lbs = 1 kg

51.36
2.2 | 113.00
11
3
2.2
80
66
140
132

22
5
110

Oct 30-3:56 PM

$157\ lbs \times \frac{1\ kg}{2.2\ lbs} = \frac{157}{2.2} = 71.36\ kg$

71.36
2.2 | 157.0 0
15 4
30
23
90
66
140

p.479

$\text{Body Mass} = \frac{\text{wt (kg)}}{(\text{ht (m)})^2}$

Oct 30-4:01 PM