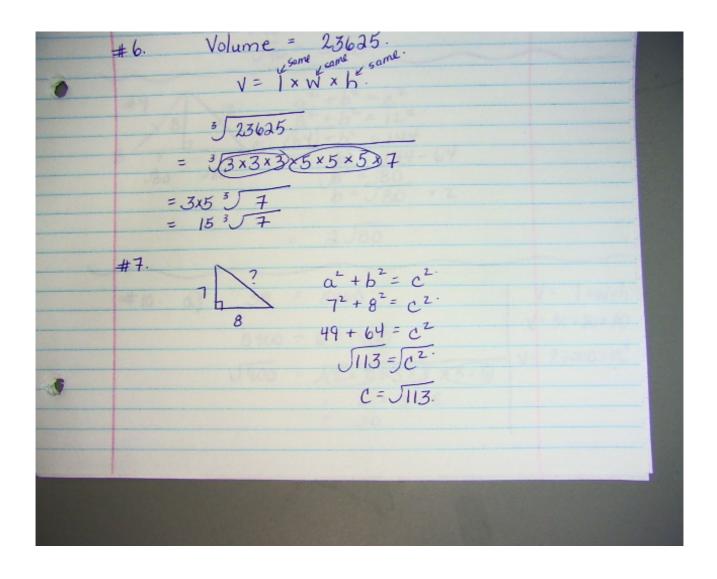
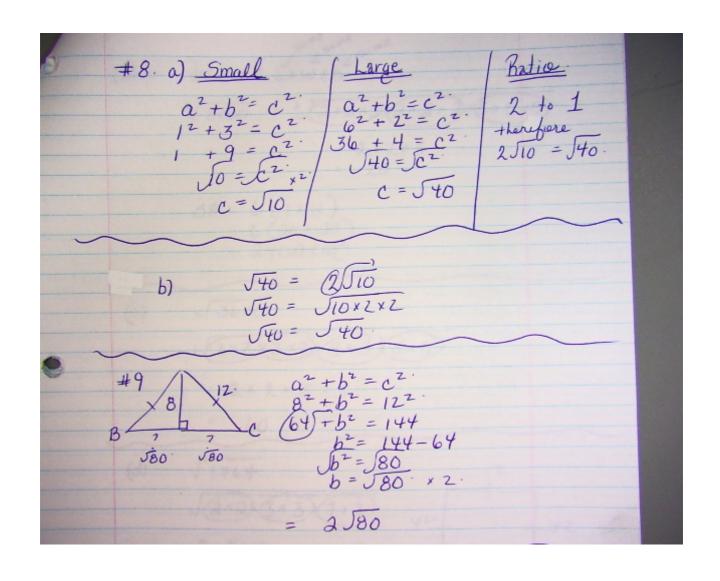
#1.
$$\frac{4}{9} = \int_{81}^{16}$$

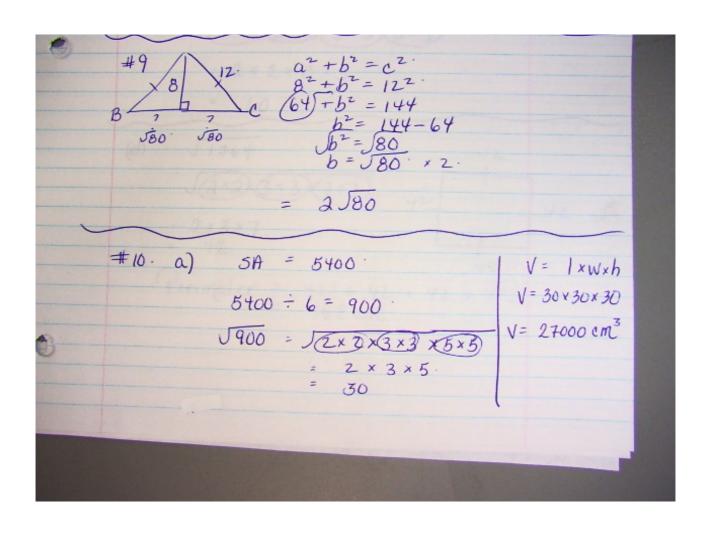
#4. (a) $\int_{56}^{56} = (b)^{3} \int_{6000}^{6000}$

= $\sqrt{2 \times 2} \cdot 2 \times 7 = {}^{3} \sqrt{2 \times 2} \times 2 \times 3 \times 5 \times 5 \times 5}$

= $2 \times 17 + 2 \times 5 = 2 \times 5 = 2 \times 3 = 10^{-5} =$







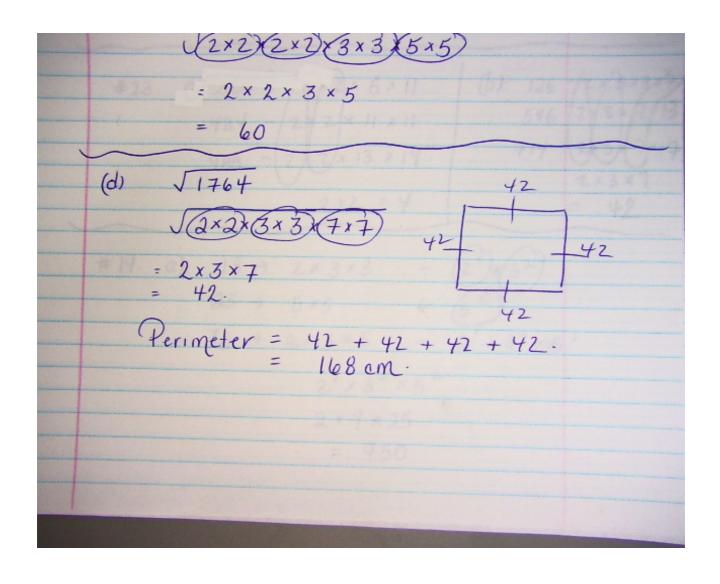
```
(b) Volume = 1 \times w \times h.

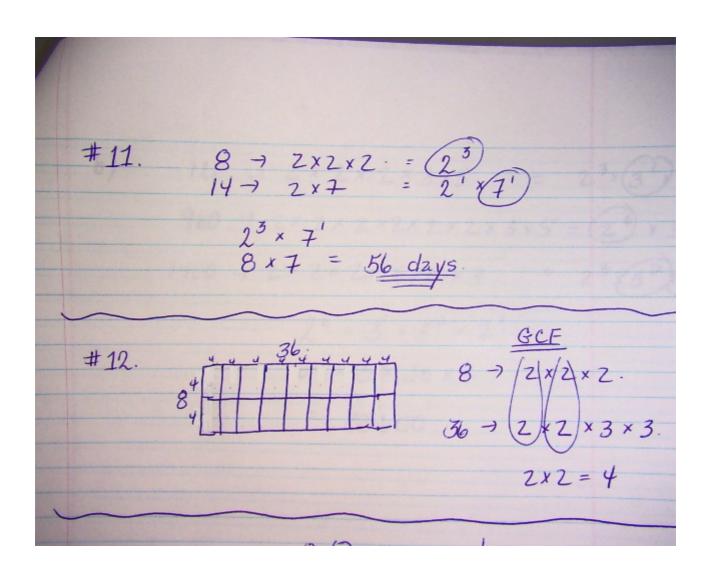
3\sqrt{8000} = 3\sqrt{2 \times 2 \times 2} \times 2 \times 2 \times 3 \times 5 \times 5

= 2 \times 2 \times 5
= 20.

3A = 6(1 \times w)
= 6(20 \times 20)
= 2400 \text{ cm}^2.

(c) \sqrt{3}600
\sqrt{2 \times 2} \times 2 \times 2 \times 3 \times 5
= 2 \times 2 \times 3 \times 5
= 60
```





#13. a)
$$220 - \frac{2}{2} \times 2 \times 6 \times 11$$
 $484 - \frac{2}{2} \times 2 \times 11 \times 11$
 $988 - \frac{2}{2} \times 13 \times 19$
 $2 \times 2 = 4$

#14. a) $18 \rightarrow 2 \times 3 \times 3 - \frac{2}{3} \times 3 \times 5$
 $25 \rightarrow 6 \times 5 - \frac{6^{2}}{30}$
 $30 \rightarrow 2 \times 3 \times 5 - \frac{2}{3} \times 3^{1} \times 5^{1}$
 $2 \times 9 \times 25$
 $= 450$