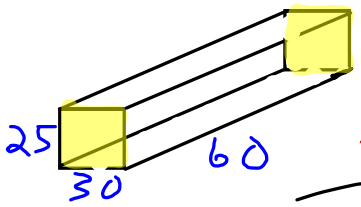
Pg. 249 #. 13, 14, 15

13. $248\ cm^2$

14. $8100\ cm^2$

15. $615.4\ cm^2$

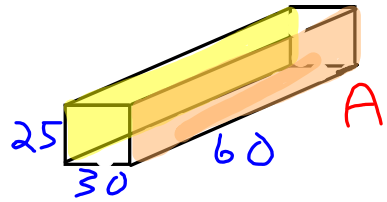


Front + Back

$A_{FB} = BH$

$= 30 \cdot 25$

$= 750$



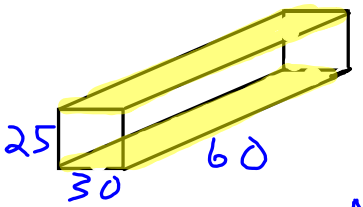
Sides

$= 750$

$A_{sides} = b \cdot h$

$= 25 \cdot 60$

$= 1500$



Top + Bottom

$A_T = b \cdot h$

$= 60 \cdot 30$

$= 1800$

$A_{SA} = F + B + S + S + T + B$

$= 750 + 750 + 1500 + 1500 + 1800 + 1800 = 8100 \text{ cm}^2$

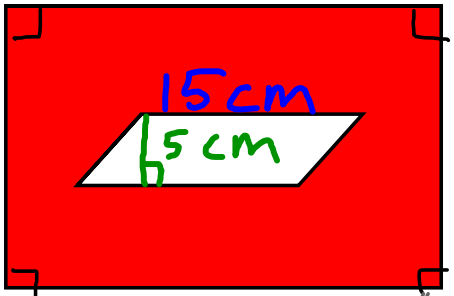
1
3600
1500
3000
8100

I LOVE GMan always

Area of Shaded Regions

April 25, 2007

What is the Area for the Red Part.



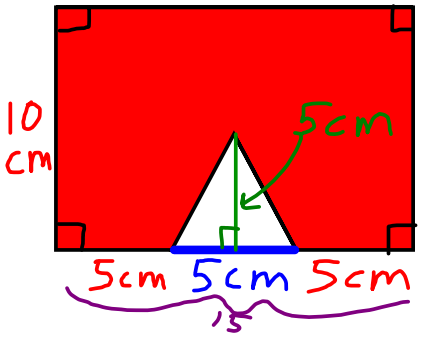
$$A_{SR} = A_R - A_P$$

$$A_R = b \cdot h$$
$$= 28\text{cm} \cdot 15\text{cm}$$
$$= 420\text{cm}^2$$

$$A_P = b \cdot h$$
$$= 15\text{cm} \cdot 5\text{cm}$$
$$= 75\text{cm}^2$$

$$= 420\text{cm}^2 - 75\text{cm}^2$$
$$= 345\text{cm}^2$$

28 × 15: 140 + 280 = 420



$A_{SR} = A_R - A_T$

$A_R = b \cdot h$

$= 15cm \cdot 10cm$

$= 150\,cm^2$

$A_T = \frac{1}{2}(b \cdot h)$

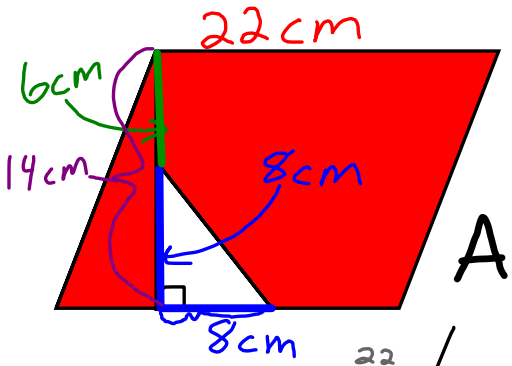
$= \frac{1}{2}(5cm \cdot 5cm)$

$= \frac{1}{2}(25cm^2)$

$= 12.5cm^2$

$= 150cm^2 - 12.5cm^2$

$= 137.5cm^2$



$A_{SR} = A_P - A_T$

$A_P = b \cdot h$

$= 22\text{cm} \cdot 14\text{cm}$

$= 308\text{cm}^2$

$22 \times 14 = 88 + 220 = 308$

$A_T = \frac{1}{2}(b \cdot h)$

$= \frac{1}{2}(8\text{cm} \cdot 8\text{cm})$

$= \frac{1}{2}(64\text{cm}^2)$

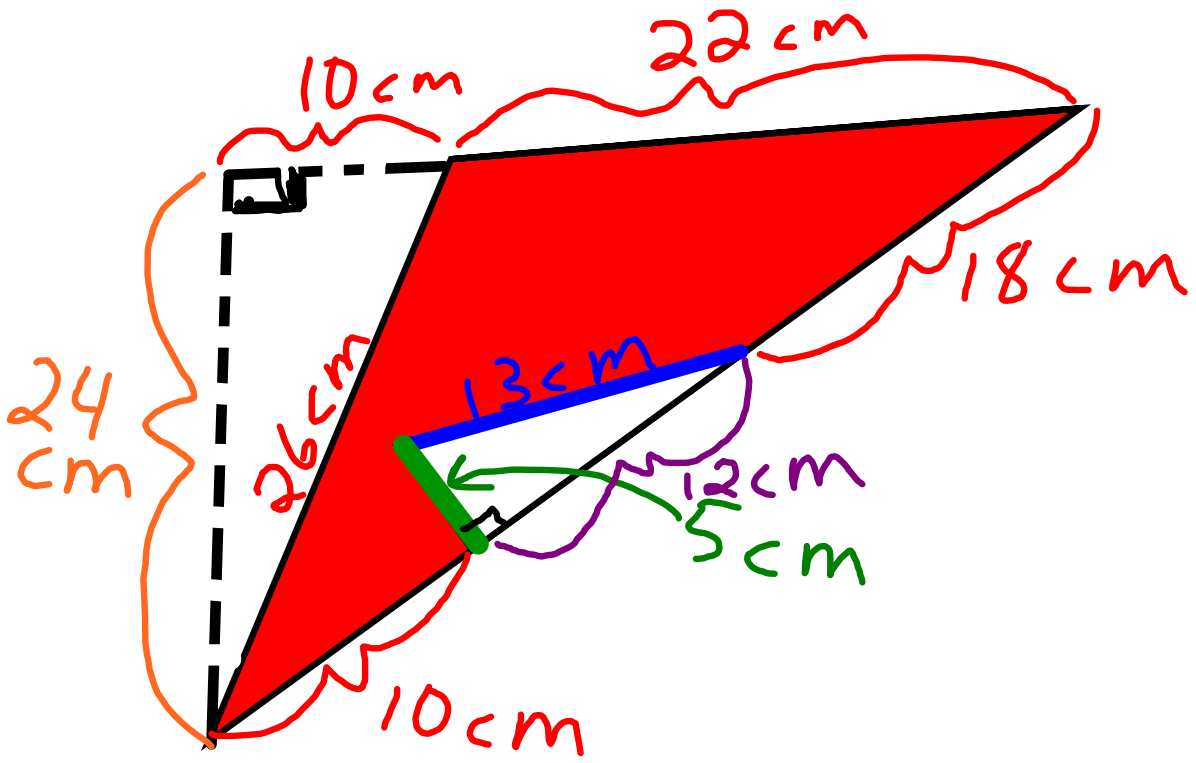
$= 32\text{cm}^2$

$= 308\text{cm}^2 - 32\text{cm}^2$

$= 276\text{cm}^2$

O.T.L.

for a grade



Please on a seperate sheet to turn in for a grade!