

part	y (ft)	A (ft ²)	yA (ft ³)
1	5	90	450
2	11.33	18	204
3	3.25	-19.5	-63.4
4	5.25	-6.3	-32.8
		82.25	557.81

2 PTS y of TRIANGLE = 2 PTS

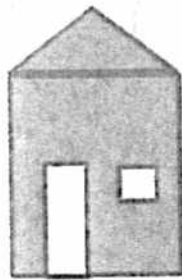
1 PT OTHER y_i = 3 PTS

1 PT EACH +A_i = 2 PTS

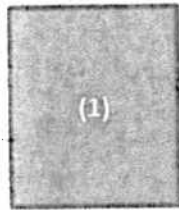
2 PTS EACH -A_i = 4 PTS

1 PTS EACH y_iA_i = 4 PTS

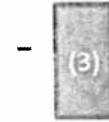
$$y_c = 6.78 \text{ ft}$$



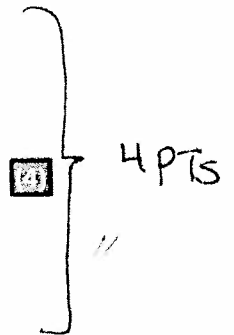
=



+



-



$$y_c = \frac{\sum y_i A_i}{\sum A_i} \quad // \quad 3 \text{ PTS}$$

$$y_c = 6.78 \text{ ft} \quad \underline{2 \text{ PTS}}$$

24 PTS