

Composite Bodies  
9-71

Object #	Weight (lb)	$x_i$ (ft)	$y_i$ (ft)
1	450	7	6
2	1500	16	18
3	600	3	26
4	280	8	30

$$\Sigma 2830$$

$$\bar{y} = \frac{450(7) + 1500(16) + 600(3) + 280(8)}{2830}$$
$$= 11.02 \text{ feet}$$

$$\bar{x} = \frac{450(6) + 1500(18) + 600(26) + 280(30)}{2830}$$
$$= 19.07 \text{ feet}$$