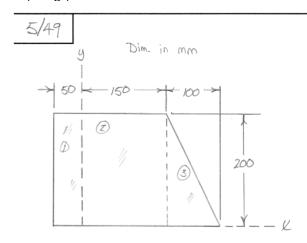
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$$\overline{\overline{X}} = \frac{\sum A \overline{k}}{\sum A} = \frac{50(200)(-25) + 150(200)(75) + \frac{1}{2}(100)(200)(150 + \frac{100}{3})}{50(200) + 150(200) + \frac{1}{2}(100)(200)}$$

$$\overline{\underline{Y}} = \frac{\underline{z} \underline{A} \overline{\underline{y}}}{\underline{z} \underline{A}} = \frac{50(700)(100) + 150(700)(100) + \frac{1}{2}(100)(700)}{50(700) + 150(700) + \frac{1}{2}(100)(700)}$$