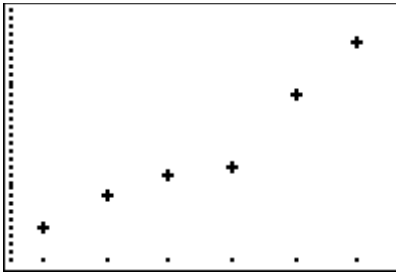


## Homework – Least Squares Regression - Key

---

1.



The first one and second to last one appear to be good points:

(1, 8) and (5,25)

$$y = \frac{17}{4}x + \frac{15}{4}$$

2.  $\hat{y} = 3x + 5$

3.  $\hat{y} = 6.659x - 25.130$

4.  $\hat{y} = -4.257x + 38.4$

5. 20463.33,  $r = 0.9288$ ,  $CV = 0.811$ , good model

6. 156,  $r = 0.8872$ ,  $CV = 0.878$ , good model

7. -2

8. 116.863

9. 13.6