

Warm-up: parallel, or neither

① $m=2$, $m=-2$
neither

② $y = \frac{2}{3}x + 1$, $y = -\frac{3}{2}x - 8$
⊥

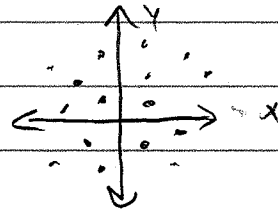
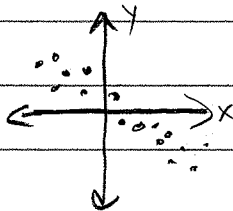
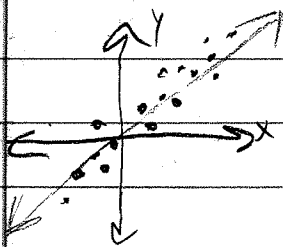
③ $y = -4x - 1$, $y = -4x + 12$
||

5.6 Fit a Line to Data

Correlation - A connection between two things.

(trend)

one influences the other in some way.



(think slope)

Positive Correlation

as x increases,
 y increases

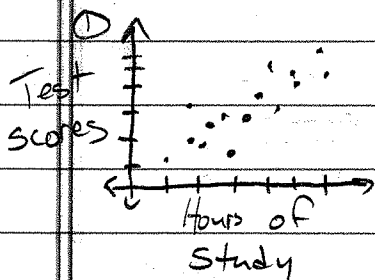
Negative Correlation

as x increases,
 y decreases

No Correlation

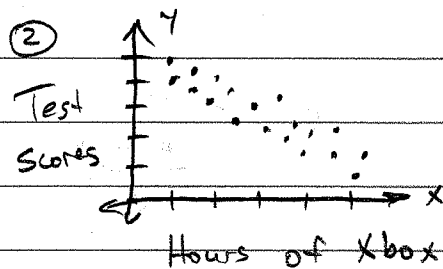
No pattern

Describe the Correlation



(positive correlation)

as study more, scores
increase



(Negative correlation)

as hours of xbox increases,
scores decrease

We can find the line of best fit.

- Look for line that goes through the middle
 & choose 2 points nearby.
- Write the equation

* Worksheet p78 practice workbook } Do 5.7 next day too!