What's Going On?

Checking In

Minds on   Learning Goal Log

Action!   Linear and Non-Linear Relations

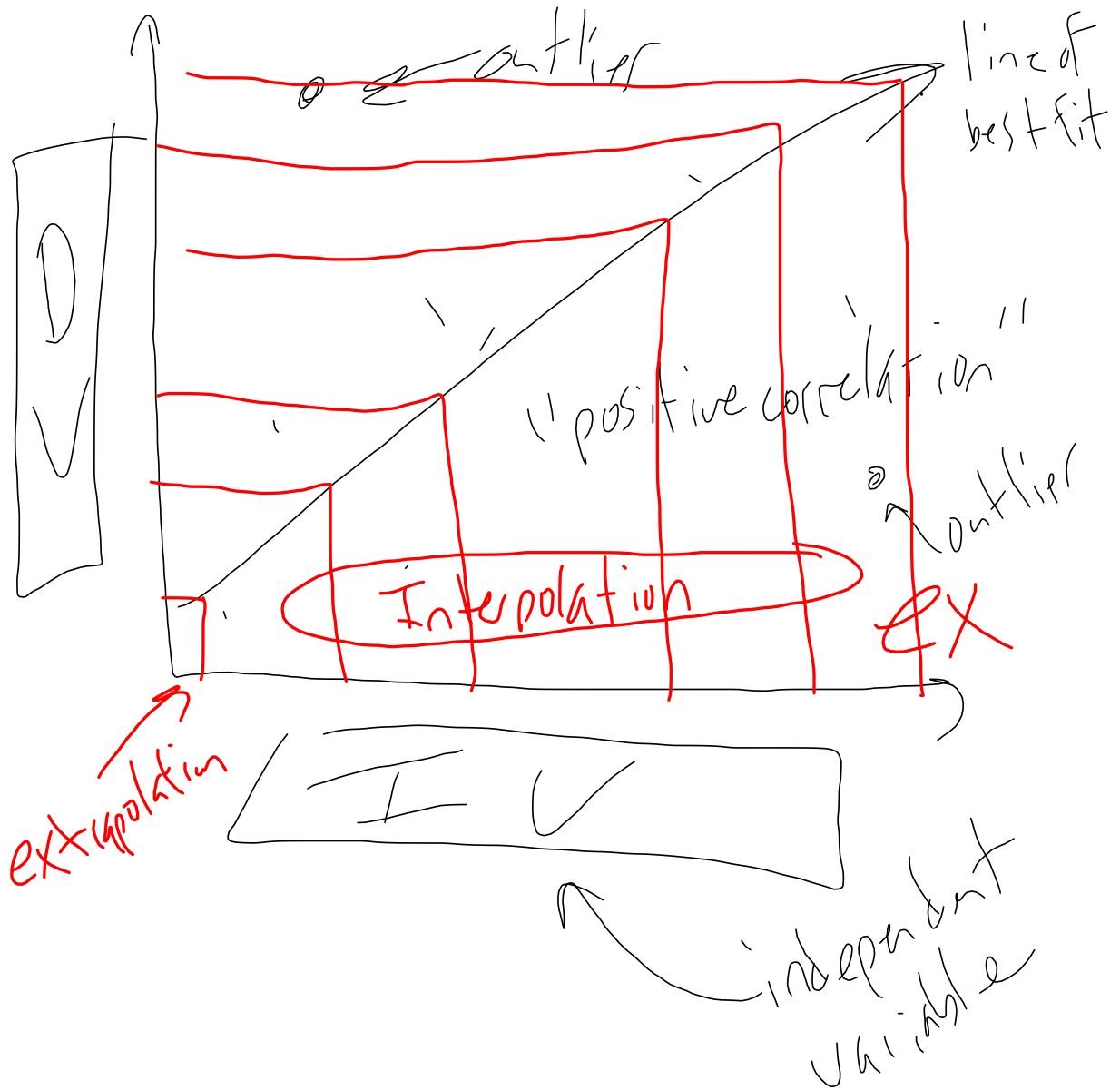**Consolidation**   I'm Non-Linear

Learning Goal - I will be able to differentiate between linear and non-linear relationships.

Minds on

LGL

In your Learning Goal Log from yesterday, draw a diagram and include / label

- Independent Variable

- Dependent Variable

- Scatter Plot

- Outlier

- Line of Best Fit

- Positive (or) Negative Correlation

- Interpolation

- Extrapolation

As INDEPENDENT VARIABLE INCREASES
the value of the dependent variable ***increases***
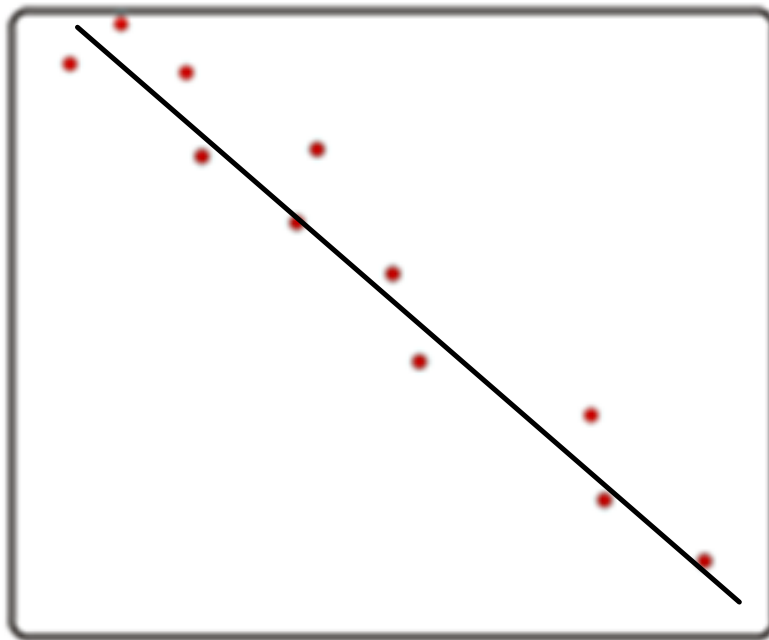
Linear and Non-Linear Relations

Linear Relation - a relationship between two variables that forms a straight line when graphed

Non-Linear Relation - a relationship between two variables that is not a straight line when graphed

Curve of Best Fit - a curve that comes closest to the points on a scatter plot of a non-linear relation
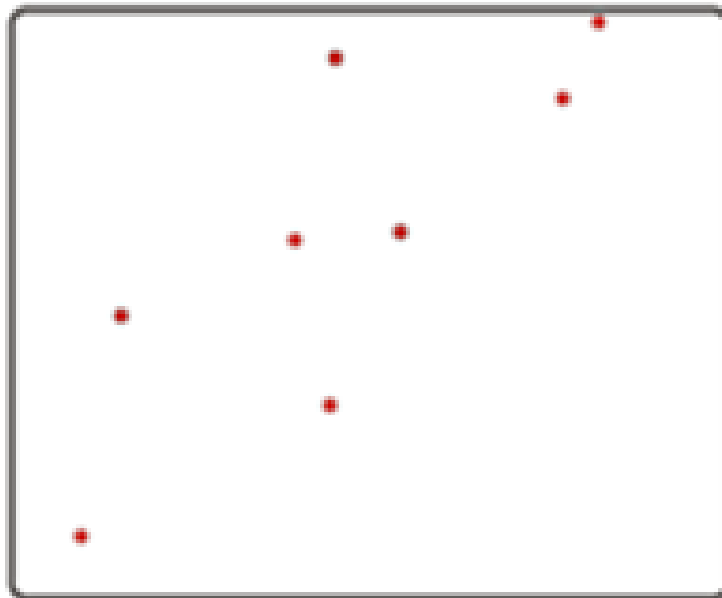
Action!

Linear and Non-Linear Relations

a) Falls from left to right

No outliers
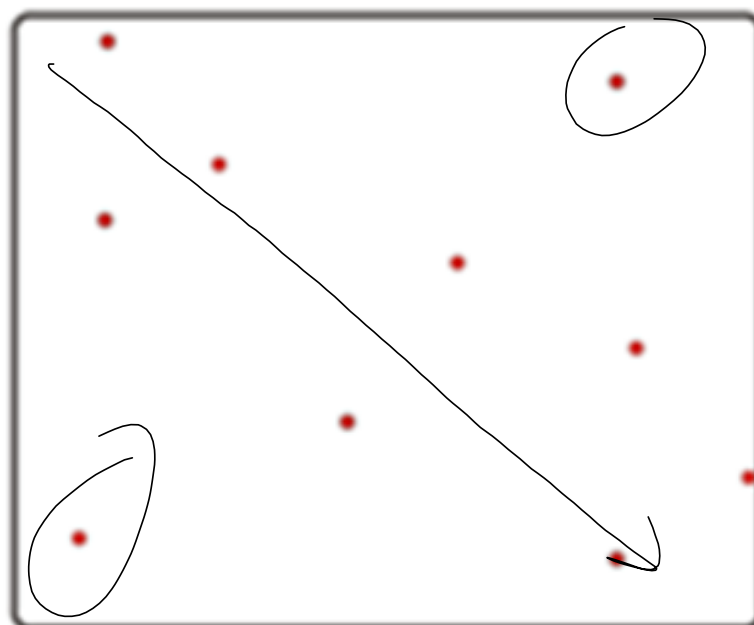
Strong relationship

Negative correlation

Action!
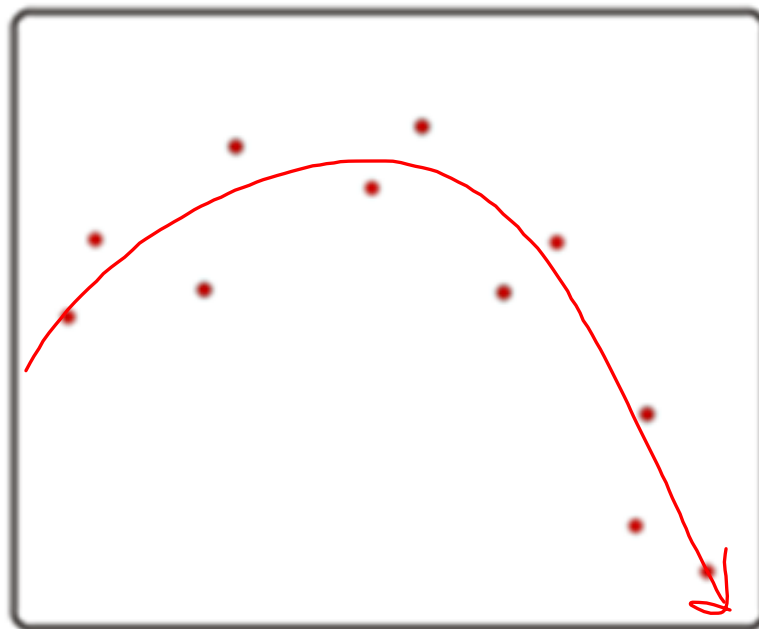
Linear and Non-Linear Relations

b) _____

Action!

Linear and Non-Linear Relations

c) _____

Action!

Linear and Non-Linear Relations

d)_____

Action!

Linear and Non-Linear Relations

e)_____

Action!

Linear and Non-Linear Relations
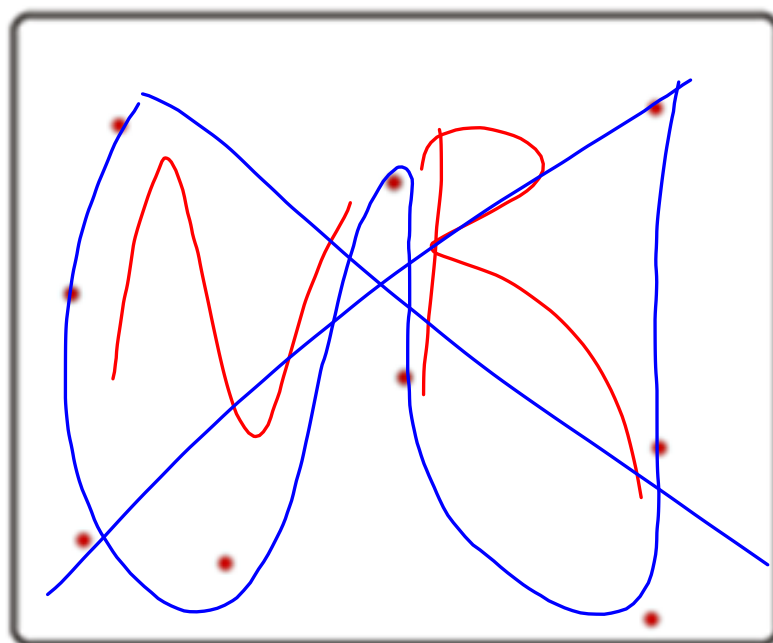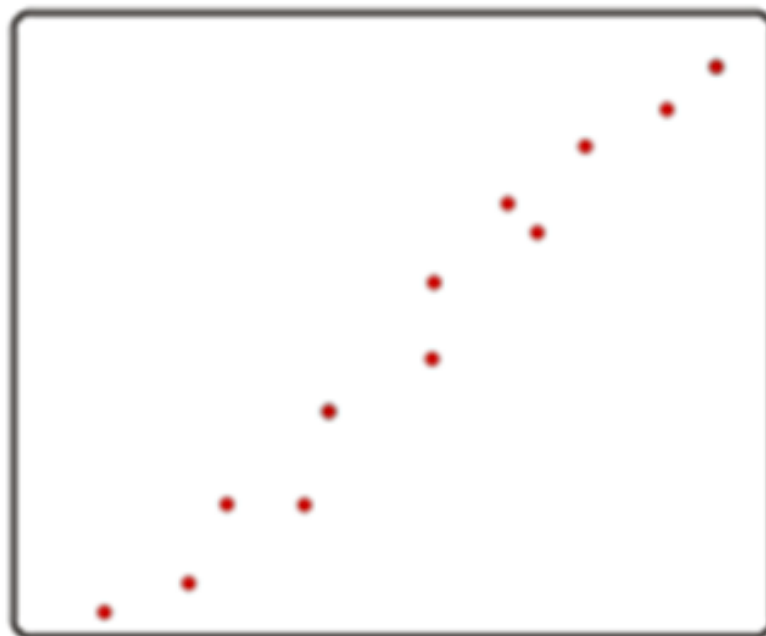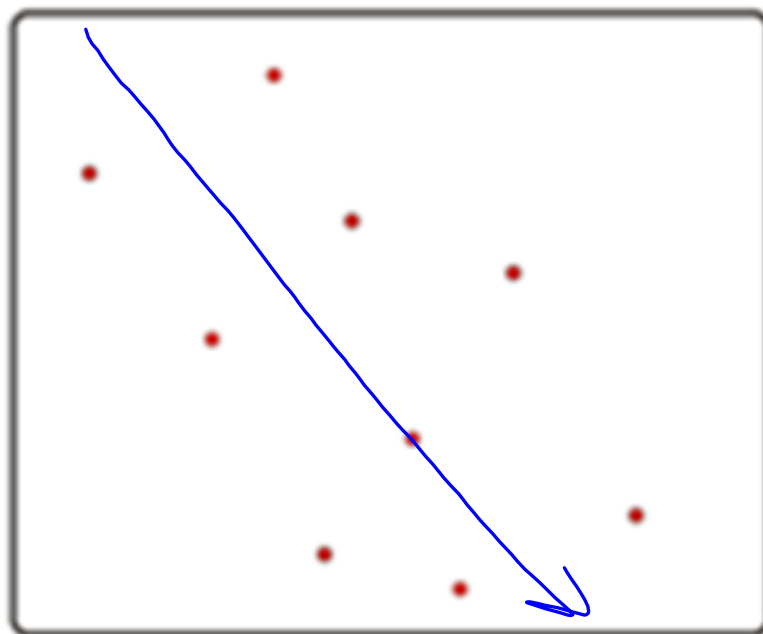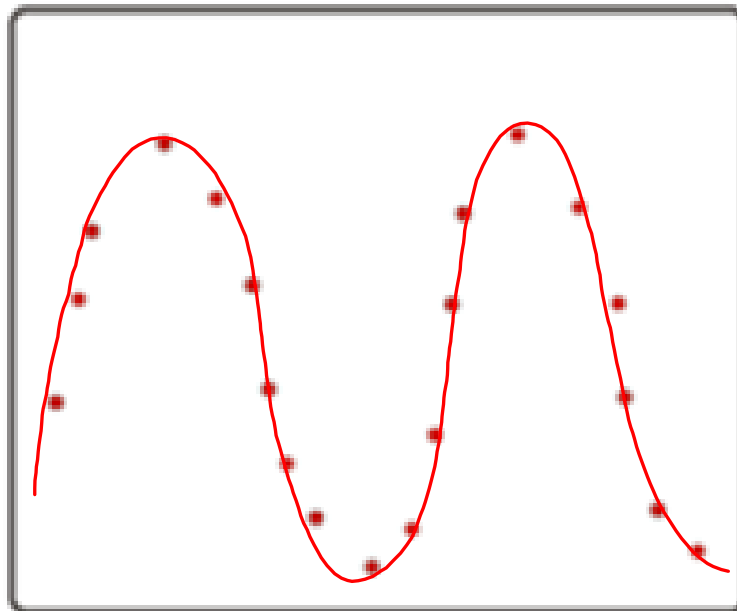

f) _____

Action!
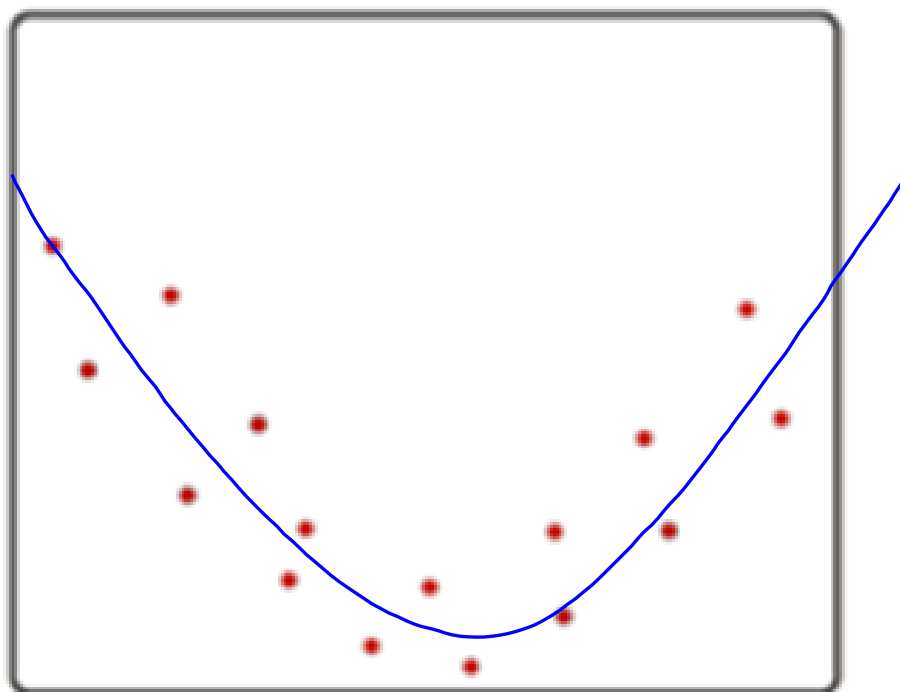
Linear and Non-Linear Relations

g)_____

Action!

Linear and Non-Linear Relations

h)_____

Action!

Linear and Non-Linear Relations

i) _____

Action!

Attendance vs. Grade

Consolidation

I'm Non-Linear