## Monday, October 1, 2018

- Warm-up
- Examine the scatterplot
- Identify the unusual point in the scatterplot. unusual about it?
-If it was removed, what
 would be the effect on the
-Correlation?
- Y -intercept of the regression line?
- Slope of the regression line?
- Check Homework
- Finish Cheerio Lab

- What do we do if it isn't "straight enough"?


## More Practice Straightening

 $\frac{\text { Tools to Straighter }}{\sqrt{x} \quad x^{2}}$
$\log (x) \quad 10^{x} t^{3}$ $\ln (x) e^{x} \sqrt[3]{ }$
$\frac{1}{x}$

For each of the following:

- Scałterplot
- Linear regression
- Residual plot


Diameter vs. Cost (pizza)

| Diam. <br> (inches) | Cost (\$) |
| :---: | :---: |
| 8 | 2.00 |
| 10 | 4.00 |
| 12 | 6.00 |
| 14 | 8.00 |
| 16 | 9.00 |
| 18 | 10.00 |
| 20 | 11.25 |

- Transform...
- ${ }^{102}$ test again

Homework

$$
\begin{array}{|}
\text { Home worn } \\
\left.\qquad 5^{239}+6\right)
\end{array}
$$

