**MAP 4C GRAPHICAL ANALYSIS FORMULA SHEET**

**Rate of Change**

$$Rate of Change= \frac{rise}{run}= \frac{y\_{2}-y\_{1}}{x\_{2}-x\_{1}}$$

**Percent Rate**

$$Percent Rate= \frac{y\_{2}}{y\_{1}}$$

**Linear**

$$y=mx+b$$

m = slope

b = y-intercept

**Quadratic**

$$y=ax^{2}+bx+c$$

**Exponential**

$$y=a\left(b\right)^{x}$$

a = initial value

b = percent rate