Distance Formula:

d= $\sqrt{ ( x\_{2 }- x \_{1}) ^{2}^{}^{}+ ( y \_{2 }- y\_{1 }) ^{2} }$

Midpoint Formula:

M= ($\frac{x\_{1} + x\_{2 }}{2}$, $\frac{y\_{1 }+ y \_{2 }}{2}$)

Pythagorean Theorem:

a$^{2}$ + b$^{2}$ + c$^{2}$  

 