

pythagoreuntheorem

distance between two points

newline

$$\sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

newline

newline

midpoint

newline

$$\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

newline

newline

circleformula

newline

$$(x - h)^2 + (y - k)^2 = r^2$$

newline

(r is the radius, (h, k) are the center point)

newline

newline

pythagoreun theorem

newline

$$a^2 + b^2 = c^2$$

newline

c = hypotenuse. this formula is for righttriangles only

newline

newline

quadratic formula

newline

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

newline

newline

perimeter formula

newline

$$2l + 2w = p \quad (l = \text{length}, w = \text{width})$$

newline

newline