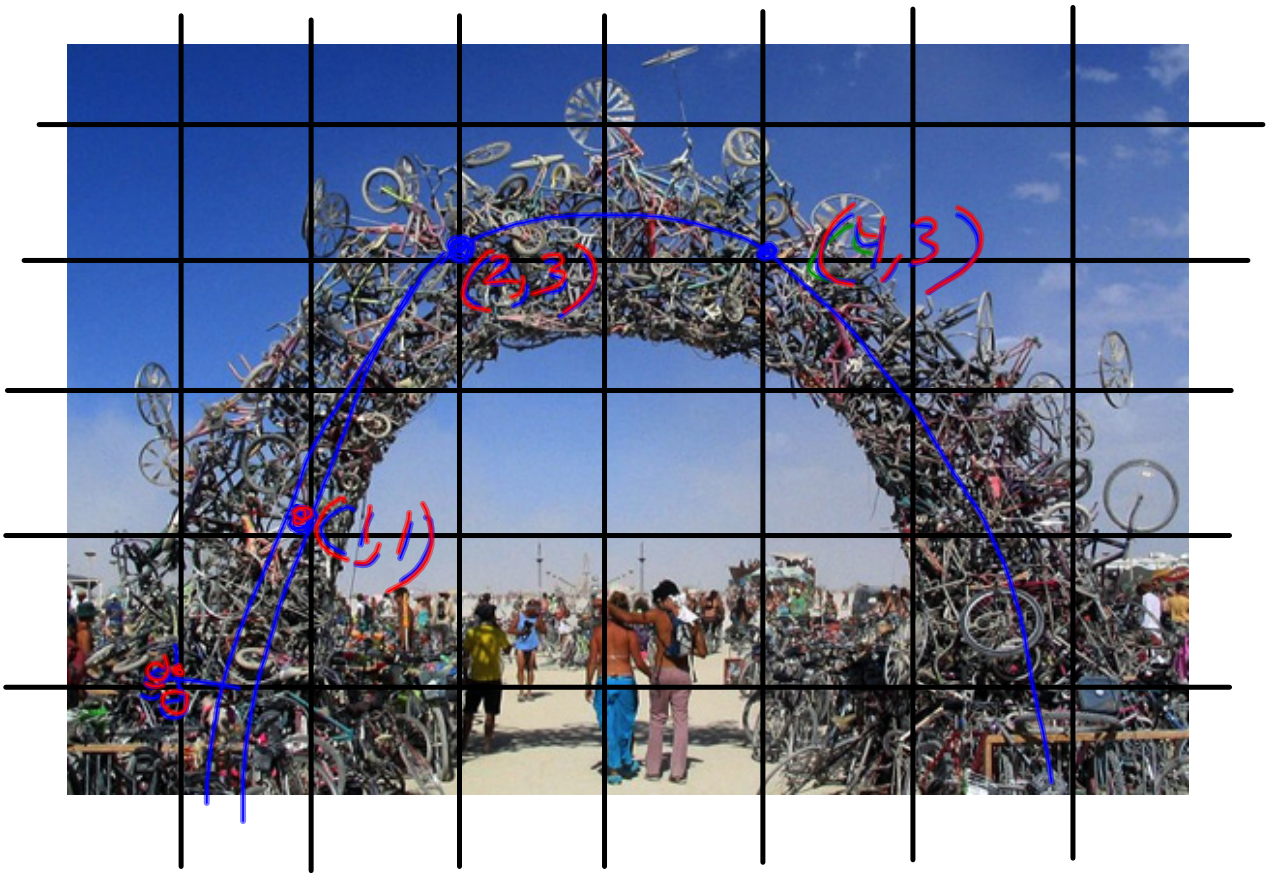
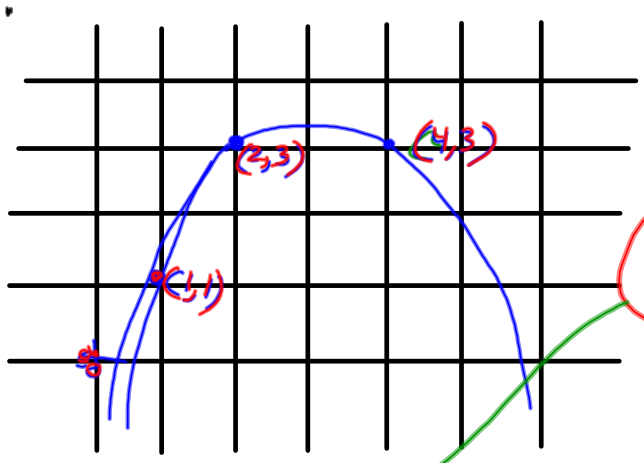

(2,3)
(4,3)
(1,1)



(1,1) (2,3) (4,3)

$y = ax^2 + bx + c$

$1 = a + b + c$

$3 = 4a + 2b + c$

$3 = 16a + 4b + c$

$1 = a + b + c$
$-3 = -4a - 2b - c$
$-2 = -3a - b$

$3 = 4a + 2b + c$
$-3 = -16a - 4b - c$
$0 = -12a - 2b$

$2(-2 = -3a - b)$
$0 = -12a - 2b$

$4 = 6a + 2b$
$0 = -12a - 2b$

$\frac{4}{-6} = \frac{-6a}{-6}$

$-.67 = a$

$a = -.67$
$b = 4.01$
$c = -2.34$

$y = (-.67)x^2 + 4.01x - 2.34$

$y = -4.02x + 4.02x + 2b$

$8.02 = 2b$

$4.01 = b$

$0 = -12a - 2b$
$-8.04 = -2b$
$4.02 = b$

$1 = a + b + c$
$1 = -.67 + 4.01 + c$
$-2.34 = c$

$y = -.67x^2 + 4.01x - 2.34$

$a = -.67$
$b = 4.01$
$c = -2.34$

PROCESS:

1. FIND 3 POINTS
2. PLUG X & y VALUES INTO $y = ax^2 + bx + c$
3. SOLVE SYSTEM USING ALGEBRA (ELIMINATE "C" TO GET TWO EQUATIONS WITH TWO VARIABLES, AND GO FROM THERE)
4. ROUND TO HUNDREDTHS