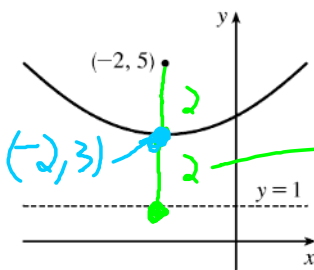


Equation:

$$\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$$

$$\frac{(x-1)^2}{1^2} + \frac{y^2}{2^2} = 1$$



Equation:

$$x^2 = 4ay$$

$$(x-2)^2 = 4(2)(y-3)$$

$$(x+2)^2 = 8(y-3)$$

3: $4y^2 - x^2 - 24y - 4x + 16 = 0$

$$(4y^2 - 24y) + (-x^2 - 4x) = -16$$

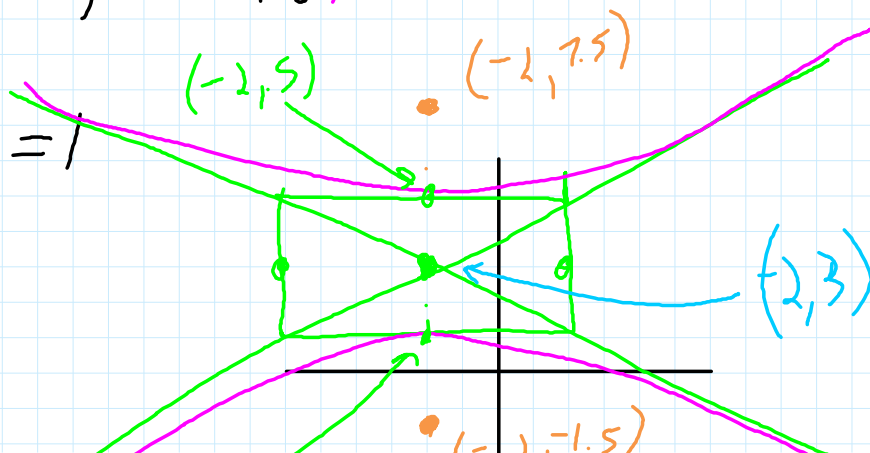
$$4(y^2 - 6y + 9) + -(x^2 + 4x + 4) = -16 + 36 - 4$$

$$4(y-3)^2 - (x+2)^2 = 16$$

$$\frac{(y-3)^2}{4} - \frac{(x+2)^2}{16} = 1$$

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

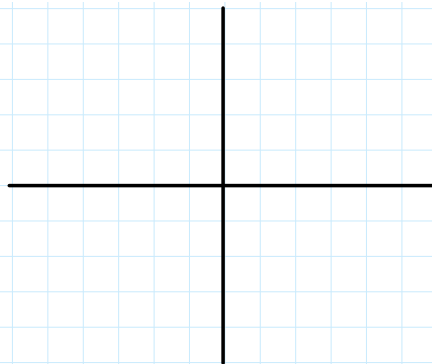
$$c^2 = 16 + 4 = 20$$



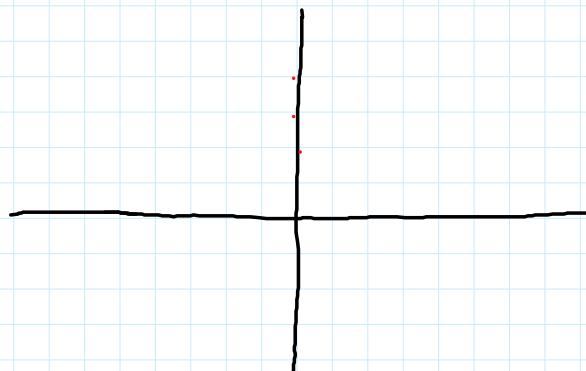
$$(\text{center} = (,))$$

$$c^2 =$$

$$c =$$



You are stuck in the woods with raw hamburger and an aluminum sledding disk. The disk is parabolic and 48 inches across and 6 inches deep. Where do you place the hamburger to have the sun cook to an internal temperature of 130 degrees?



Page 701: 7-31 odd (from previous day)

Optional
Review II pg 703: 1-9, 13

~~one side of 3x5 card allowed~~

