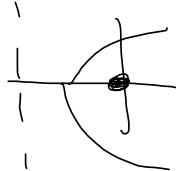
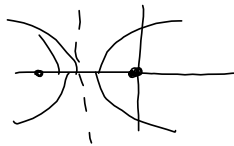
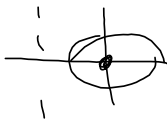


"Locus of pts \exists ratio of distance from those points
to the focus and distance to a fixed line (directrix)
is constant.

$$\frac{eP}{1 - e \cos \theta}$$

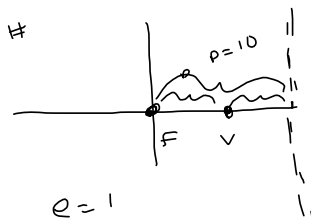


Today is the official end of the semester, but because of the virus, and the online testing requirement,

I'm leaving things open until Midnight, Thursday night.

Let me know if there's a test you wish to re-take. I've added a Chapter 2 (Test 2) re-take, as a parting gift, for those who wish it.

#43 Parabola, $(h, k) = (5, 0)$, Focus @ pole



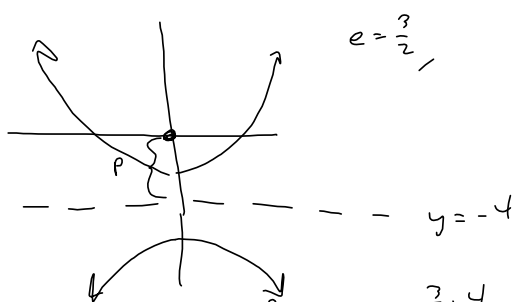
$$e = 1$$

$$p = 10$$

vertical directrix to right of pole.

$$r = \frac{ep}{1 + \cos \theta} = \frac{10}{1 + \cos \theta}$$

#40

Hyp.; focus @ pole; $e = \frac{3}{2}$, Dir. $x: y = -4$ 

$$\frac{eP}{1 + e \sin \theta} = \frac{\frac{3}{2} \cdot 4}{1 - \frac{3}{2} \sin \theta} = \frac{6}{\frac{1}{2}(2 - 3 \sin \theta)} = \frac{12}{2 - 3 \sin \theta}$$

Natural ↘ Book

HAPPY CINCO DE MAYO!

Hop into chat and say "Hello!"

Thanks for hangin' in!

Future Calc I students, there's a "Diagnostic Test."

<https://harryzaims.com/201/201-fall-19/diagnostic-tests/>