

BE-Alg 2 | TUESDAY 3-8-11

① A circle is defined as the set of points <sup>IN A PLANE</sup> equidistant from a single point. WHAT IS THE SET of points in a plane?

- Ⓐ equidistant from 2 points?
- Ⓑ equidistant from 2 lines?

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(don't ask, try to figure this out on your own!)

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the "set of points" is usually called the "locus of points" in geometry — from the LATIN word for location.

Homework review: Pg 414-415  
#10-13, 24-27

⑩  $(12, 5)$

⑪  $(-4, -2)$

⑫  $(2, -6)$

⑬  $(\frac{17}{2}, \frac{27}{2})$

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⑭ 13 units

⑮ 25 units

⑯  $\sqrt{2}$  units

⑰  $3\sqrt{17}$  units

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1.

Definition of parabola as the locus of points in a plane equidistant from a point and a line.  
(Focus)  
(directrix)

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- Wax paper parabola. (pg 421)
  - Conic paper parabola.
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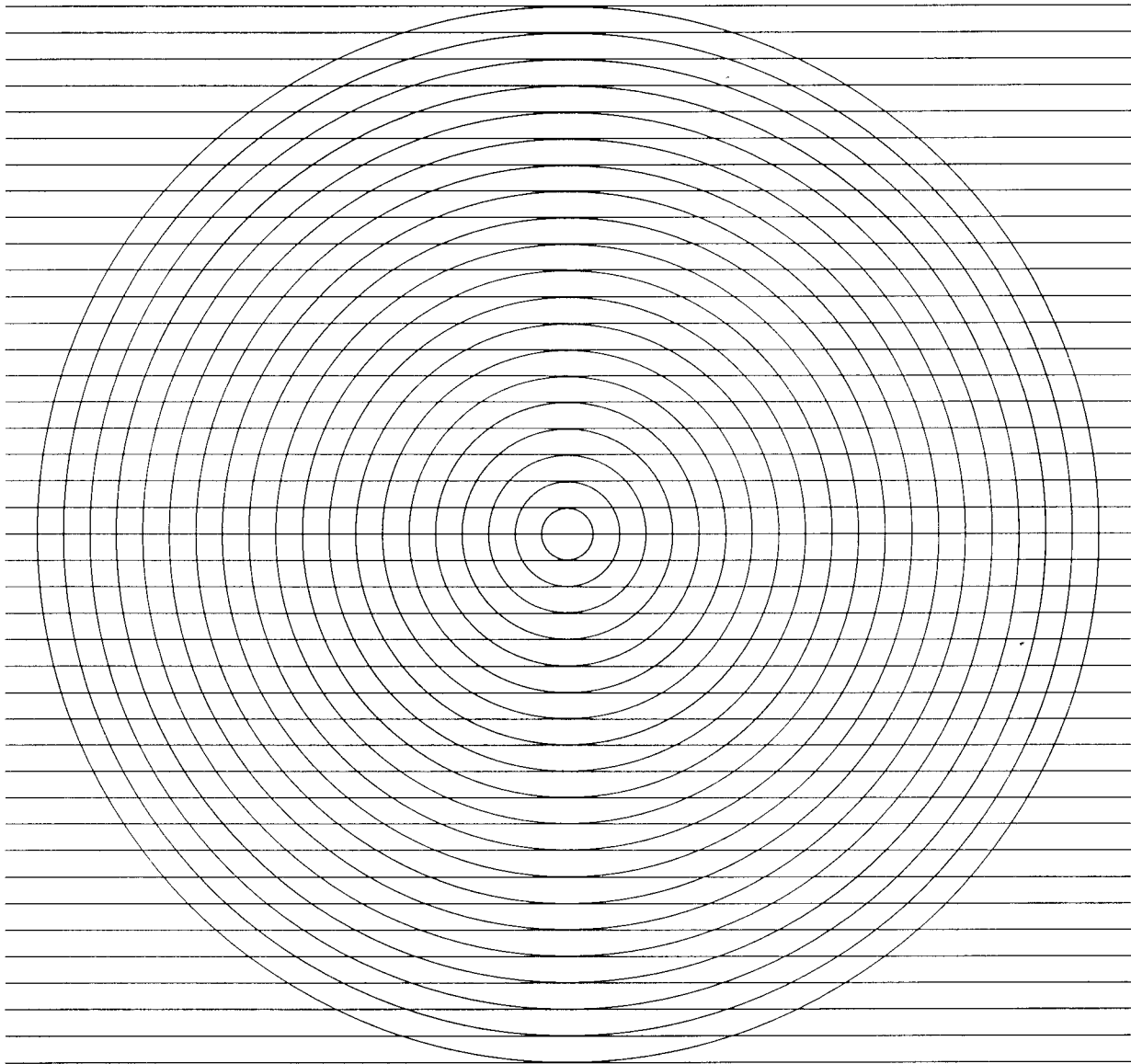
The h, k form of the equation of a parabola. (time permitting)

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Homework: Explore "parabola" on the web, try "interactive" "parabola" in Google.

# Conic Graph Paper

(circles and lines)



# Conic Graph Paper

(circles and lines)

