

BE-Alg 2 | TUESDAY 2-23-10

① A circle is defined as the set of points ^{IN A PLANE} equidistant from a single point. WHAT IS THE SET of points in a plane?

Ⓐ Equidistant from 2 points?

Ⓑ equidistant from 2 lines?

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

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 $(\frac{17}{2}, \frac{27}{2})$

②④ 13 units

②⑤ 25 units

②⑥ $\sqrt{2}$ units

②⑦ $3\sqrt{17}$ units

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

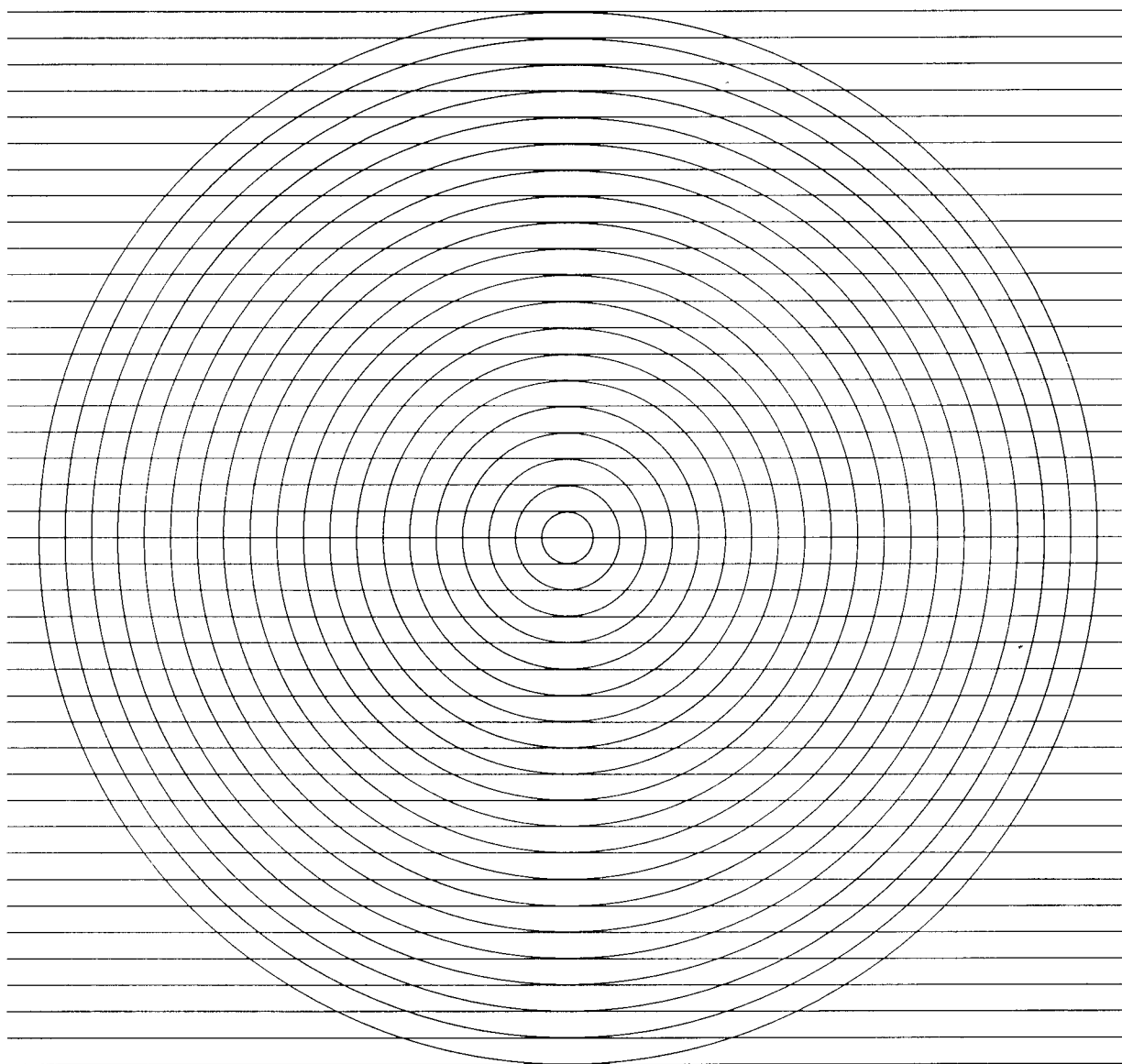
- Wax paper parabola. (pg 421)
 - Conic paper parabola.
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The h, k form of the equation
of a parabola. (time permitting)

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

Conic Graph Paper

(circles and lines)



Conic Graph Paper

(circles and lines)

