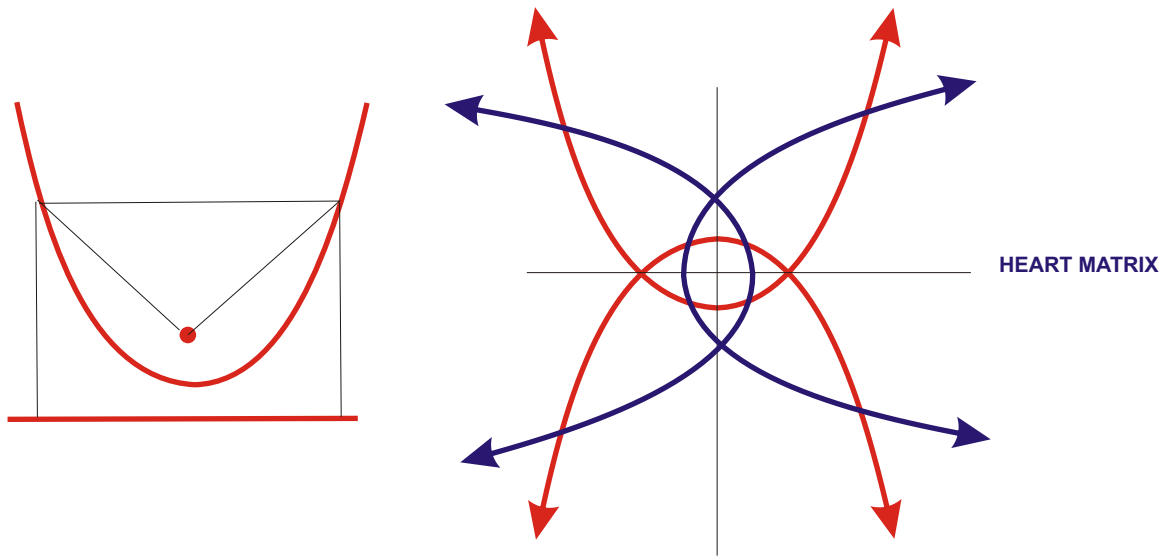# WORKSHEET #1: PARABOLA HEART SYSTEM

HEART MATRIX

pa·rab·o·la (pə rab′ə lə), *n. Geom.* a plane curve formed by the intersection of a right circular cone with a plane parallel to a generator of the cone; the set of points in a plane that are equidistant from a fixed line and a fixed point in the same plane or in a parallel plane. Equation: $y^2 = 2px$ or $x^2 = 2py$. See diag. under **conic section.** [1570–80; < NL < Gk *parabolḗ* an application. See PARABLE]

parabola
AB, directrix;
F, focus; P, point
on parabola;
PQ, always equal
to PF

A
Q
Q
P
P
F
Q
P
B