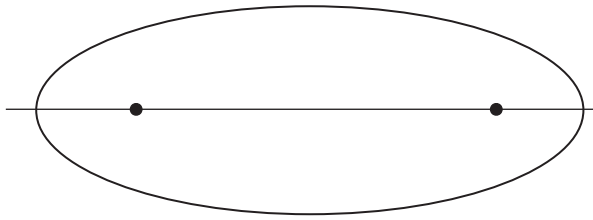
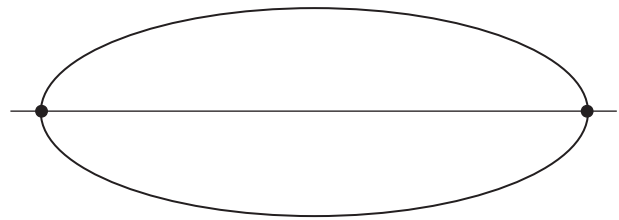


Quiz 6. February 27, 2013. Name

1. Use Figure (a) below to illustrate and describe the angle property of the ellipse (Proposition E1 of the text) and use Figure (b) to illustrate and describe the distance property of the ellipse (Proposition E2 of the text). Figure (a) shows the two focal points of the ellipse. Both figures show the focal axis.



(a)



(b)

2. Figure (c) shows a parabola and the three points $(-5, 5)$, $(5, 5)$, and $(0, 2)$ that all lie on it. Use Archimedes's Theorem to compute the area of the parabolic section that is shown.

