Let $f(x, y) = xy$. Find equations for the following level curves and graph them in an $xy$-plane in the space below. Be sure to label the level curves on your graph.

(a) $f = 1$
(b) $f = 3$
(c) $f = -1$
(d) $f = -3$
(e) $f = 0$
Let \( f(x, y) = x^2 - y^2 \). Find equations for the following level curves and graph them in an \( xy \)-plane in the space below. Be sure to label the level curves on your graph.

(a) \( f = 1 \)

(b) \( f = 2 \)

(c) \( f = -1 \)

(d) \( f = -2 \)

(e) \( f = 0 \)