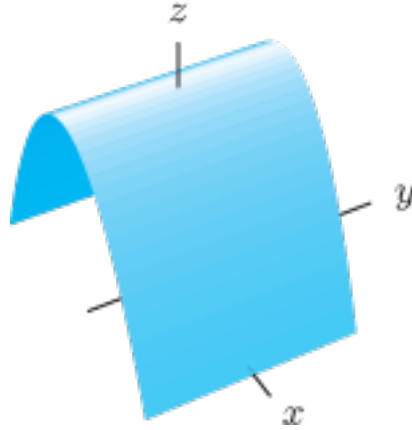


# 12.3 Contour Diagrams

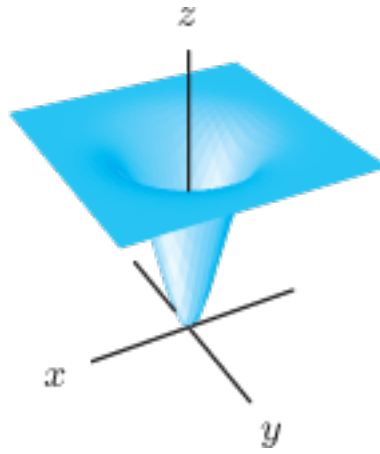
Name:

Date:

**P 2.** Sketch a possible contour diagram for each surface, marked with reasonable  $z$ -values.



**P 3.** Sketch a possible contour diagram for each surface, marked with reasonable  $z$ -values.



**P 9.** Sketch a contour diagram for  $f(x, y) = xy$  with at least four labeled contours. Describe in words the contours and how they are spaced.

**P 10.** Sketch a contour diagram for  $f(x, y) = y - x^2$  with at least four labeled contours. Describe in words the contours and how they are spaced.

**P 26.** Sketch the graphs of the one-variable function  $H(x, 5)$  and  $H(x, 20)$  using the figure below. Interpret the two graphs in practical terms, and explain the difference between them.

