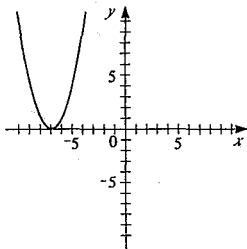
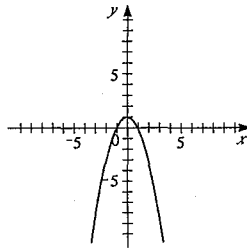


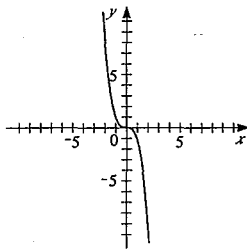
18.  $f(x) = (x + 7)^2$ . Shift the graph of  $y = x^2$  to the left 7 units.



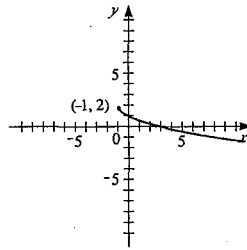
20.  $f(x) = 1 - x^2$ . Reflect the graph of  $y = x^2$  about the  $x$ -axis, then shift it upward 1 unit.



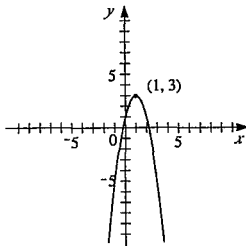
22.  $f(x) = -x^3$ . Reflect the graph of  $y = x^3$  about the  $x$ -axis.



24.  $y = 2 - \sqrt{x + 1}$ . Shift the graph of  $y = \sqrt{x}$  to the left 1 unit, reflect it about the  $x$ -axis, and finally shift it upward 2 units.



26.  $y = 3 - 2(x - 1)^2$ . Shift the graph of  $y = x^2$  to the right 1 unit, reflect it about the  $x$ -axis, stretch it vertically by a factor of 2, and then shift it upward 3 units.



28.  $y = \frac{1}{3}x^3 - 1$ . Shrink the graph of  $y = x^3$  vertically by a factor of  $\frac{1}{3}$ , then shift it downward 1 unit.

