Graph the following functions without using technology. Feel free to use a graphing calculator to check your answer, but you should be able to look at the function and apply what you learned in the lesson to move its parent function. Also, state the domain and range for each function.

1. \( f(x) = (x - 2)^2 + 4 \)
   Domain:________  Range:________

2. \( f(x) = -(x - 3)^3 - 1 \)
   Domain:________  Range:________

3. \( f(x) = \sqrt{x + 1} + 4 \)
   Domain:________  Range:________

4. \( f(x) = -\sqrt{x - 1} + 5 \)
   Domain:________  Range:________

5. \( f(x) = |x - 3| - 2 \)
   Domain:________  Range:________

6. \( f(x) = 2^{x+1} - 3 \)
   Domain:________  Range:________
7. \( f(x) = -(x + 5)^2 - 1 \)
   Domain:________
   Range:________

8. \( f(x) = (x + 3)^3 + 4 \)
   Domain:________
   Range:________

9. \( f(x) = -\sqrt{x - 3} - 6 \)
   Domain:________
   Range:________

10. \( f(x) = \sqrt{x + 2} - 4 \)
    Domain:________
    Range:________

11. \( f(x) = -|x + 2| - 7 \)
    Domain:________
    Range:________

12. \( f(x) = 2^{x-3} + 2 \)
    Domain:________
    Range:________