Pre-Calculus Name: _____ Per _____

Graphing Transformations #1-8

Sketch the parent functions as a dashed line or different color.
Sketch the function with at least 5 specific points for each graph.

1. $f(x) = \sqrt[3]{x-2} + 7$

2. $f(x) = |x-3| - 4$

3. $f(x) = \sqrt{x+2} - 3$

4. Please just sketch this one as y=mx + b (no parent function needed)

$f(x) = 2x - 7$

5. $f(x) = (x-4)^3 + 1$

6. $f(x) = -\sqrt{-x}$

For #7 and #8 do the reflection first, then use this to apply the shifts.

7. $f(x) = -(x+4)^2 - 3$

8. $f(x) = -(x-5)^3 + 2$