

Find the inverse of each of the following functions. State the domain and range for the original function and its inverse.

1. $f(x) = \sqrt{x+4} - 3$

2. $g(x) = 2\sqrt[3]{x-5}$

3. $f(x) = -\sqrt{2x+3} - 4$

4. $f(x) = -\sqrt{x-6} + 2$

5. $g(x) = \sqrt{x} + 1$

6. $h(x) = \sqrt[3]{x-10}$

7. $f(x) = 4\sqrt{6-x} - 8$

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

9. $f(x) = -2\sqrt[3]{8-x}$

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