

Math 3 Advanced
10.2 Graphing Square Roots

State the domain and range for the following square root functions.

Solve.

1. $f(x) = 2\sqrt{x} + 14$

2. $f(x) = \sqrt{2x} - 10$

3. $f(x) = \sqrt{3+x} - 5$

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

5. $f(x) = 6 + 3\sqrt{x+4}$

6. $f(x) = 6\sqrt{x} + 13$

7. $f(x) = 12 + \sqrt{3x}$

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

9. $f(x) = 7 - \sqrt{4x-3}$

10. $f(x) = 7\sqrt{x-5} + 4$