

Honors Algebra II  
Unit 5B – Radical Functions

Name \_\_\_\_\_  
4 – WS – Inverses of Radical Functions

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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