

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Class worksheet: Alg2H  
Powers and Roots (IV): Solving radical equations  
(book chapter 7, page 317)

Principle of powers

Solve:

$$\sqrt{a} + 2 = 7$$

Check:

Solve:

$$3\sqrt{x} = 2\sqrt{x} - 1$$

Check:

Solve:

$$x - 5 = \sqrt{18 - 2x}$$

Check:

Solve:

$$x = \sqrt{x + 7} + 5$$

Check: