

Name: _____
Date: _____
Class: _____

Algebra
Unit 9
HW 9-6

1) Find $f(2)$ if $f(x) = 2x - 3\sqrt{2x}$

2) Find $g(6)$ in simplest radical form: $g(x) = 3\sqrt{12x} - \frac{2x}{4} + 4\sqrt[3]{36x}$

3) Solve: $7\sqrt{x} + 19 = 40 - 4\sqrt{x}$

4) Solve: $16 - \sqrt{2x} = 34 - 4\sqrt{2x}$

5) Solve: $2\sqrt{4x^2} - 62 = 8 - 3\sqrt{4x^2}$

6) Solve: $6.5\sqrt[3]{x} - 19 = 6\sqrt[3]{x} - 17$

7) Simplify: $16xy\sqrt{72000x^3y^5}$

8) Graph: $y = \frac{1}{3}\sqrt{6x}$

