

Name _____

Solving Square Root and Cube Root Equations (1.22,1.23)

Solving Cube Root Equations: Solve.

3) $17 + 3x^{1/3} = 29$

4) $\sqrt[3]{3x+4} = \sqrt[3]{2x-9}$

5) $5\sqrt[3]{1-2x} = 15$

6) $4 + 2(6x+1)^{1/3} = 22$

Solving Square Root Equations: Solve. Check for extraneous solutions.

5) $17 + 3x^{1/2} = 29$

6) $\sqrt{3x+4} = \sqrt{2x-9}$

Solving Square Root Equations: Solve. Check for extraneous solutions.

7) $\sqrt{20-8x} = x$

8) $\sqrt{6x+1} = x-1$