## Solving Radical Equations

1. Solve for $x: 3 \sqrt{2 x+5}-15=0$
2. If $4 \sqrt{5}=\sqrt{n}$, the value of $n$ is
A. 10
B. 20
C. 80
D. 100
3. What is the solution set of the equation $\sqrt{9 x^{2}-11}=5$ ?
A. $\{0\}$
B. $\{2\}$
C. $\{-2\}$
D. $\{2,-2\}$
4. The solution set of the equation $\sqrt{2 x+15}=x$ is
A. $\{5,-3\}$
B. $\{5\}$
C. $\{-3\}$
D. $\}$
5. For the equation $\sqrt{x+21}=x+1$, the solution set for $x$ is
A. \{ \}
B. $\{-5\}$
C. $\{-5,4\}$
D. $\{4\}$
6. Solve: $\sqrt[3]{x^{2}+2}=3$
A. $\pm \sqrt{5}$
B. $\pm \sqrt{7}$
C. $\pm 1$
D. $\pm 5$
E. no solution

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Solving Radical Equations 02/16/2013
1.

Answer: 10
2.

Answer: C
3.

Answer: D
4.

Answer: B
5.

Answer: D
6.

Answer: D

