Solving Radical Equations

1. Solve for x: $3\sqrt{2x+5} - 15 = 0$

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 $\sqrt{9x^2 - 11} = 5$?

   A. $\{0\}$ B. $\{2\}$

   C. $\{-2\}$ D. $\{2, -2\}$

4. The solution set of the equation $\sqrt{2x+15} = x$ 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. ± 1 D. ± 5

   E. no solution

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1.
Answer: 10

2.
Answer: C

3.
Answer: D

4.
Answer: B

5.
Answer: D

6.
Answer: D