

Name _____ Block _____

Solve the equation. Throw out any extraneous solutions

1) $x^{\frac{4}{3}} - 5 = 11$

2) $(2x+3)^{\frac{1}{3}} - 5 = -2$

3) $\sqrt[3]{3x+1} + 5 = 3$

4) $\sqrt{3x+13} = x+5$

5) $\sqrt[4]{2x+1} = \sqrt[4]{8}$

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