Homework: _____

<u>Extraneous solutions:</u>   Solutions that are _____ solutions. When you plug them back into the

_____, it gives you a _____ radical, which is not

possible.

$$\sqrt[3]{x} - 9 = -6 \qquad\qquad\qquad\qquad 2\sqrt[4]{x + 6} = 24$$

$$x + 1 = \sqrt{7x + 15} \qquad\qquad\qquad\qquad (2x)^{\frac{3}{4}} + 2 = 10$$