Show all work to receive full credit.

Solve.

1. 
$$\sqrt{x+1}+2=4$$

2. 
$$2+\sqrt{4x-4}=6$$

3. 
$$3 \cdot \sqrt[3]{5n-1} - 3 = 0$$

4. 
$$\sqrt[3]{6n-5}+3=-2$$

Write in radical form:

5. 
$$7^{\frac{1}{3}}$$

6. 
$$x^{\frac{2}{3}}$$

Write in exponential form:

7. 
$$\sqrt[4]{x}$$

8. 
$$\sqrt[3]{6x^5}$$

Simplify:

9. 
$$a^{\frac{2}{3}} \cdot a^{\frac{1}{4}}$$

10. 
$$\frac{x^{\frac{5}{6}}}{x^{\frac{1}{6}}}$$

11. 
$$(x^{\frac{1}{2}})^{\frac{1}{2}}$$

12. 
$$\frac{b^{\frac{3}{4}} \cdot b^2}{b^{\frac{1}{4}}}$$