

Name: _____

Ch 11 Review for Quiz

Simplify each expression.

1. $-7\sqrt{11} + 3\sqrt{11}$

2. $\sqrt{80}$

3. $4\sqrt{6t^2} \cdot \sqrt{3t^3}$

4. $\sqrt{10}(\sqrt{5} - \sqrt{10})$

5. $(\sqrt{5} + \sqrt{7})^2$

6. $\frac{7}{\sqrt{3x^2}}$

7. $\sqrt{\frac{7}{x^{12}}}$

8. $\sqrt{12} + 2\sqrt{75}$

9. $\frac{5}{\sqrt{3}}$

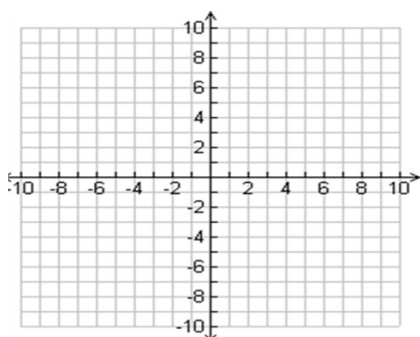
Solve each radical equation.

10. $7 = \sqrt{5 + x}$

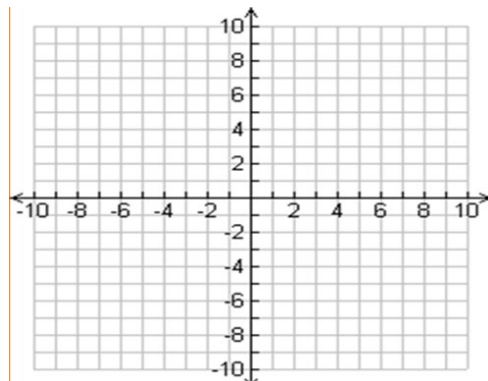
11. $\sqrt{x} = 2\sqrt{3x + 1}$

Graph the function and give the domain and range.

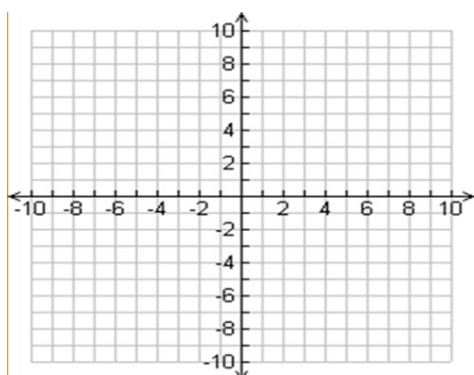
11. $y = \sqrt{x - 3}$



12. $f(x) = \sqrt{x + 1} + 3$



13. $y = -\sqrt{x+5} + 7$



14. $y = -\sqrt{x-2} - 1$

