

Answer Key

Chapter 7

Lesson 7.4

Quiz 2

1. $5x^2 - 5x^{\frac{1}{3}}$, all nonnegative reals

2. $20x^{\frac{7}{3}} - 4x^{\frac{2}{3}}$, all nonnegative reals

3. $5x^2 + 3x$, all nonnegative reals

4. $\frac{5x^{\frac{5}{3}} - 1}{4}$, all nonnegative reals

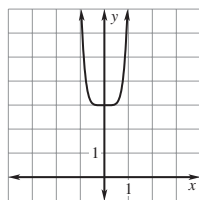
5. $\frac{4}{x-6}; x \neq 6$ 6. $\frac{4}{x} - 6; x \neq 0$ 7. $x; x \neq 0$

8. $3[(x+2)/3] - 2 = x; (3x-2+2)/3 = x$

9. $[(x-2)^{1/4}]^4 + 2 = x; (x^4 + 2 - 2)^{1/4} = x$

10. $f^{-1}(x) = \frac{x-7}{2}$ 11. $g^{-1}(x) = \left(\frac{x}{3}\right)^{\frac{1}{4}}$

12. no



13. yes

