Algebra 2 Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

review for chapter test Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period\_\_\_\_\_\_\_\_\_

1. 9½ 2. $\left(\frac{9}{25}\right)^{\frac{-3}{2}}$ 3. $\left(16\right)^{\frac{-3}{2}}$

4. 16 -¾ 5. 16¾ 6.100-½

7. $8^{\frac{-4}{3}}$ 8. $9^{\frac{3}{2}}$

9. $\left(x^{\frac{1}{3}}\right)^{9}$ 10. ($\sqrt{x}$)($\sqrt[3]{x^{2}}$)

 11. $\frac{\sqrt[5]{x^{2}}}{\sqrt{x}}$ 12. $\sqrt{x} \left(\sqrt[3]{x^{2}}+2\sqrt[4]{x}\right)$

13. $\left(4x^{\frac{-3}{4}}\right)^{2}$ 14. $\frac{\sqrt{x^{}}}{\sqrt[4]{x}}$