

1. A. The square root is 11.

2. A. $-\sqrt{\frac{1}{81}} = \underline{-\frac{1}{9}}$

3. A. The square root is a real number. $-\sqrt{100} = \underline{-10}$

4. A. $\sqrt{x^8} = \underline{x^4}$

5. A. $\sqrt{49x^6} = \underline{7x^3}$ (Type an exact answer, using radicals as needed.)

6. A. $\sqrt{(-8)^2} = \underline{8}$ (Type an exact answer, using radicals as needed.)

7. A. $\sqrt{100x^2} = \underline{10|x|}$

8. $\frac{\sqrt{70}}{7}$

9. $\frac{\sqrt{149}}{149}$

10. $\frac{11\sqrt{x}}{x}$

11. $\frac{9\sqrt{7x}}{14x}$

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

13. $\frac{5\sqrt{6}}{2}$

14. $\frac{\sqrt{34xy}}{2y}$

$$15. \frac{\sqrt{15x}}{25}$$

$$16. \frac{\sqrt{3z}}{9z}$$

$$17. -3(1 + \sqrt{3})$$

$$18. 27 - 2\sqrt{182}$$
