

PRECALCULUS - EXPONENTIAL AND LOGARITHMIC FUNCTIONS**Answer Section****SHORT ANSWER**

1. $x = 5$

Use the Product Property and the definition of logarithm.

2. $x = 2$

Use the Product Property and the definition of logarithm.

3. $x = 8$

Use the Product Property and the definition of logarithm.

4. $x = 28$

Use the Quotient Property, the Product Property, and the Property of Equality for Logarithmic Functions.

5. 0.3090

6. 8.98 years

7. $n = \frac{7}{9}$

8. $n = -\frac{2}{5}$

9. 5

10. 16

11. 729

12. 1.4444

13. 1,329

14. 1.1870

15. 0.6928

16. 0.4055

17. 0.1682

18. -5

19. 8

20. 69.23

21. 3.40

22. \$1968

23. \$15,401.08