

Pre-Calculus

KEY

Unit 3 Quiz (practice test)

1. d. $\frac{5^{2y}}{3^{2x}}$

2. d. horizontal shift

3. a. $\log_3 217 = x + 4$

4. c. $e^6 = x + 2$

5. b. 6

6. a. vertical reflection

7. b. $-4 \ln x + 2 \ln y + 3 \ln z$

8. b. $\ln \left(\frac{ac^3}{bd^5} \right)$

9. c. $x = \ln 50 - 5$

10. a. $e^{40} = 1$