

COLLEGE ALGEBRA QUIZ

- (1) Solve $\log_3(x) = 2$.
Solution: 9
- (2) Solve $3^{(1-x)} = 9^{4x}$.
Solution: $\frac{1}{9}$
- (3) Solve $e^x = 50$.
Solution: 3.912
- (4) Solve $3^{2x-1} - 3 = 24$.
Solution: 2
- (5) Solve $\log_{64}4 = x$.
Solution: $\frac{1}{3}$
- (6) Solve $\log_x(125) = 3$.
Solution: 5
- (7) Solve $\log_2(x) + \log_2(x - 3) = 2$.
Solution: 4
- (8) Solve $\log(x^2 - 4) - \log(x - 2) = 1$.
Solution: 8
- (9) Solve $\log(x^2) = \log(2x)$.
Solution: 2
- (10) Solve $e^{-x} = 0.01$.
Solution: 4.605