

Choose the
correct answer

Index & Log

Solve the following equation.

1

$$5^{2x+1} = 6$$

Answer

$$x = 0.091$$

$$x = 0.034$$

$$x = 0.057$$

Answer

$$x = 11.43$$

$$x = -8$$

$$x = 10$$

2

$$3^{2x+2} \cdot 9^x = 27^{x-2}$$

3

$$\log_2(8x - 5) = \log_2 3 + \log_2(2x + 3)$$

Answer

$$x = 7$$

$$x = -12$$

$$x = \frac{3}{5}$$