

HW

Solve each equation.

$$1. 93^{3x+2} = 93^{-4(x+5)}$$

$$2. 36^{5x-1} = \left(\frac{1}{216}\right)^{3x}$$

$$3. 343^{2x+7} = 49^{-4x-9}$$

$$4. 32^{-(5x+3)} = \left(\frac{1}{2}\right)^8$$

Solutions

1. $-22/2$

2. $2/19$

3. $-39/14$

4. $-7/25$