

$$2^{(7-5x)} = \left(\frac{1}{8}\right)^{(2x+1)}$$

$$\frac{1}{8} = 2^{-3}$$

$$2^{(7-5x)} = 2^{(-3(2x+1))}$$

приравняем показатели:

$$7-5x = -3(2x+1)$$

$$7-5x = -6x-3$$

$$x = -10$$