

4. Mustaqil ishlash uchun 5 ta olimpiada misoli

(Ko'rsatkichli tenglama va tengsizliklar — TOZALANGAN VARIANT)

A) Masalalar shartlari

1-masala. Tenglamani yeching:

$$2^{x+2} = 8 \cdot 4^{x-1}$$

2-masala. Tenglamani yeching:

$$3^{2x} - 4 \cdot 3^x + 3 = 0$$

3-masala. Tengsizlikni yeching:

$$5^{x-1} \geq 25$$

4-masala. Tengsizlikni yeching:

$$(1/3)^{x+1} < (1/3)^{2x-3}$$

5-masala. Tenglamani yeching:

$$4^x + 4^{-x} = 5/2$$