**Уравнения с одной переменной.**

**1.** 3(х – 1,5) + 2х = 5(2,5 + 2х) **2.** 4х – 5(3х – 0,5) = 3(7 – 3х)

**3.** 5(х – 2,5) - 4х = 3(2,5 + 3х) **4.** 7х - 3(2х – 1,5) = 4(3 + х)

**5.**  -=  **6.**  -= 

**7.** 3х2 – 21 = 0 **8.** 75 – 3х2 = 0

**9.** 18х – 8х2 = 0 **10.** 8х – 2х2 = 0

**11.** 8х2 + 6х = 2 **12.** 6х2 - 8х = -2

**13.** - 4х2 + 10х + 6 = 0 **14.** -3х2 - 5х + 2 = 0

**15.** х2 - х - 1 = 0 **16.** х2 - х – 0,5 = 0

**17.** 2 –  =  **18.** 2х –  = 4

**19.** х3 – 25х = 0 **20.** х4 – 4х2 = 0

**21.** 2х4 - 2х = 0 **22.** х3 - 81х = 0

**23.** х3 – 4х2 – 9х + 36 = 0 **24.** 16х3 – 32х2 – х + 2 = 0

**25.** х6 + 4х4 – х2 – 4 = 0 **26.** х6 - х4 + 5х2 – 5 = 0

**27.** у3 – 2у2 = у – 2 **28.** у6 + 4у4 = у2 + 4

**29.** 3(х + 4)2 – 9(х + 4) = 0 **30.** 5(х - 6)2 + 11(х - 6) = (х - 6)

**31**.  += 5 **32.** 2 + = 

**33.**  +=  **34.**  + = 

**35.** х4 - 10х2 + 9 = 0 **36.** х4 - 5х2 + 4 = 0

**37.** х4 +6х2 - 27 = 0 **38.** х4 + 15х2 + 54 = 0

**39.** 2(х2 - 1)2 + 6(х2 - 1) = 0 **40.** (х2 - 4)2 + 5(х2 - 4) = 0

**41.** (х2 +2х)2 - 2(х2 +2х) – 3 = 0 **42.** (х2 +х)2 - 5(х2 +х) +6 = 0