



10 sinf Algebradan 3 – BSB savollari

II - variant.

1. Tenglamani yeching: **(4 ball)**

$$\frac{4}{x+3} + \frac{6}{x} = 1$$

2. Tenglamalar sistemasining natural sonlardan iborat yechimini toping: **(6 ball)**

$$\{8x^3 - y^3 = 91 \quad 4x^2 + 2xy + y^2 = 91\}$$

3. Ratsional tengsizlikni yeching. **(5 ball)**

$$\frac{x-7}{16-x^2} < 0$$

4. Tengsizliklarni qanoatlantiruvchi eng katta musbat butun va eng kichik manfiy butun sonlar ko'paytmasini toping: **(5 ball)**

$$\frac{(x-3) \cdot (x+4)^2}{x+7} \leq 0$$

5. Fermer xo'jaligi 48 ha yerga ma'lum muddatda bug'doy ekib bo'lishi kerak edi. Ammo xo'jalik har kuni rejadagidan 1 ha ortiq yerga bug'doy ekib, ishni muddatidan 8 kun oldin tugatdi. Bug'doy ekish necha kun davom etgan? **(5 ball)**