

Sinf \_\_\_\_\_ Ismi, Familiyasi \_\_\_\_\_ sana \_\_\_\_\_  
9 sinf Algebradan 1 – BSB savollari

**II variant**

1. Funksiyaning berilgan argumentdagi qiymatini toping. (4 ball)

$$f(x) = 3x^2 + x, \quad f(3), f(-1).$$

**Javob:** \_\_\_\_\_

2. Kvadrat funksiyaning nollarini toping. (4 ball)

$$x^2 - 8x$$

**Javob:** \_\_\_\_\_

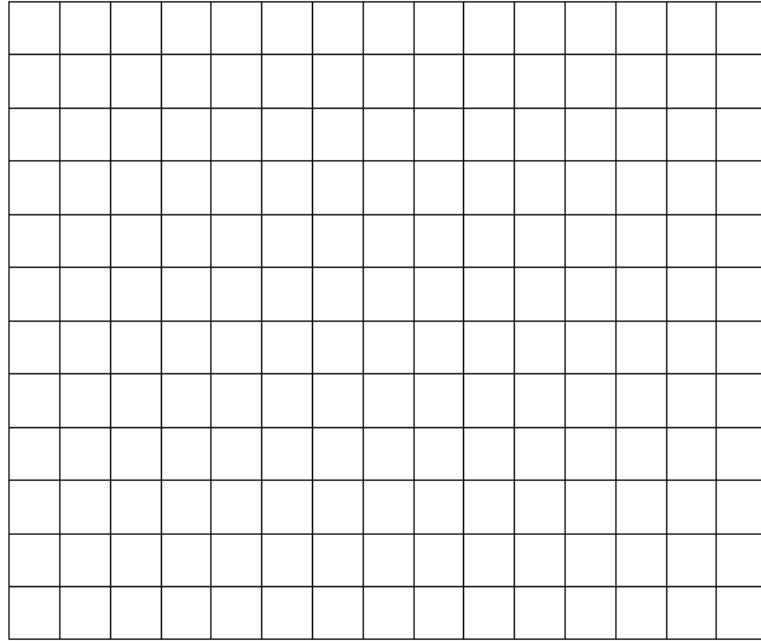
3. Parabola uchunig koordinatalarini toping. (4 ball)

$$y = x^2 - 6x + 14$$

**Javob:** \_\_\_\_\_

4. Funksiyaning grafigini yasang va kamayish oralig'ini toping (9 ball)

$$y = x^2 + 4x - 5$$



**Javob:** \_\_\_\_\_

5. Funksiyalarning kesishish nuqtasi koordinatasini aniqlang. (4 ball)

$$y = 2x^2, \quad y = 162$$

**Javob:** \_\_\_\_\_

O'quvchining to'plagan balli: \_\_\_\_\_

Tekshiruvchi o'qituvchi: \_\_\_\_\_ (imzo)

**Baholash mezonlari**

<b>№</b>	<b>Bal l</b>	<b>Javob</b>	<b>Deskriptor</b>
<b>1</b>	<b>4</b>	$f(3) = 30$ $f(-1) = 2$	Har biri uchun <b>2 ball</b> dan jami <b>4 ball</b>
<b>2</b>	<b>4</b>	$x_1 = 0,$ $x_2 = 4,$	1) Funksiya nollarini topish uchun tenglama tuza olsa, <b>1 ball</b> ; 2) Tenglamani tuzib, $2x^2 - 8x$ dan $x$ ni qavsdan tashqariga chiqara olsa, <b>2 ball</b> ; 3) $x$ ni qavsdan tashqariga chiqarib, ko'paytuvchilarni har birini 0 ga tenglashtirib, bitta yechimni topsa, <b>3 ball</b> ; 4) $x$ ni qavsdan tashqariga chiqarib, ko'paytuvchilarni har birini 0 ga tenglashtirib, ikkala yechimni topsa, <b>4 ball</b> ;
<b>3</b>	<b>4</b>	(3; 5)	1) Parabola uchining absissasini topsa, <b>2 ball</b> ; 2) Parabola uchining absissasini topib, undan foydalanib ordinatasini to'g'ri topsa, <b>4 ball</b> .
<b>4</b>	<b>9</b>	$(-\infty; -2)$	1) Koordinatalar sistemasini chizib olsa, <b>1 ball</b> ; 2) Parabola uchining koordinatasini topsa, <b>2 ball</b> ; 3) Funksiyaning nollarini topsa, <b>2 ball</b> ; 4) Koordinatalar sistemasini chizib, unda parabola uchining koordinatasini va funksiya nollarini to'g'ri tasvirlay olsa, <b>5 ball</b> ; 5) Nuqtalarni birlashtirib, funksiya grafigini chiza olsa, <b>7 ball</b> ; 6) Funksiya grafigidan foydalanib, uning kamayish oralig'ini to'g'ri topsa, <b>9 ball</b> . 7) Funksiya grafigini chizmasdan, kamayish oralig'ini topsa, <b>2 ball</b> .
<b>5</b>	<b>4</b>	$(-9; 162),$ $(9; 162)$	1) Funksiyalardan tenglama tuza olsa <b>1 ball</b> ; 2) Tuzilgan tenglamani yechib, $x$ ning qiymatini to'g'ri topsa, <b>3 ball</b> ; 3) Topilgan $x$ ning qiymatidan $y$ ning qiymatini topib nuqtaning koordinatasini to'g'ri yoza olsa, <b>4 ball</b> .
<b>Jami:</b>		<b>25 ball</b>	