



11 sinf Algebradan 1 – BSB savollari

1. Limitni hisoblang.

1) $\lim_{x \rightarrow -5} (5 - 6x)$ **(2 ball)**

2) $\lim_{x \rightarrow -3} \frac{9x^2 + 27x}{x + 3}$ **(3 ball)**

2. $y = 3x^2 - 5x$ funksiya grafigiga $A(1; -2)$ nuqtada urinadigan to'g'ri chiziqning burchak koeffitsiyentini toping. **(5 ball)**

3. Quyidagi funksiyalar hosilasini toping.

1) $f(x) = 3x^4 - 2x^2 - 8x$ **(2 ball)**

2) $f(x) = 2^x \cdot \operatorname{tg} x$ **(3 ball)**

4. Berilgan funksiyaning hosilasini toping va uning $x = -4$ dagi qiymatini toping. **(5 ball)**

$$y = \frac{x^2 + 6x - 16}{x + 3}$$

5. $y = \sqrt[3]{10 - 9x}$ funksiya hosilasini toping va uning $x = 2$ dagi qiymatini hisoblang. **(5 ball)**