

11 sinf Geometriyadan 1 – BSB savollari

1. Uchlari $A(3; 6; 9)$, $B(9; 3; 6)$, $C(6; 9; 3)$ nuqtalarda bo'lgan uchburchak perimetrini toping. **(10 ball)**

2. Agar $\vec{a} = -2\vec{i} + 6\vec{j} - 4\vec{k}$ va $\vec{b} = -5\vec{i} + 3\vec{j} + 7\vec{k}$ bo'lsa,

1) $\vec{c} = \vec{a} + 2\vec{b}$

2) $\vec{d} = 2\vec{a} + \vec{b}$ vektorlarning koordinatalari va uzunligini toping. **(12 ball)**

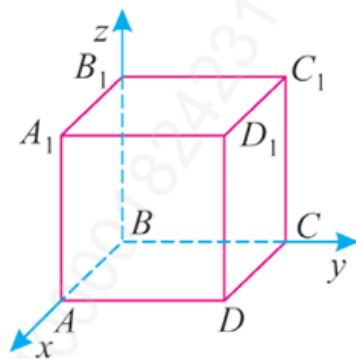
3. Rasmda tasvirlangan kub uchun quyidagilarni aniqlang: **(8 ball)**

1) \overrightarrow{DB} vektorga teng vektorni;

2) $\overrightarrow{A_1D}$ vektorga qarama-qarshi vektorni;

3) $\overrightarrow{A_1B_1}$ vektorga kollinear barcha vektorlarni;

4) $\overrightarrow{B_1C_1}$ va $\overrightarrow{C_1D_1}$ vektorlar juftiga komplanar va teng vektorlarni.



4. $A(3; 5; 7)$, $B(6; 4; 2)$, $C(1; 2; 3)$ va $D(5; 4; 3)$ nuqtalar berilgan. \overrightarrow{AB} va \overrightarrow{DC} vektorlar orasidagi burchak kosinusini toping. **(12 ball)**

5. Parallel ko'chirishda $A(-16; 12; -10)$ nuqta $B(6; -3; 4)$ nuqtaga o'tadi. $C(15; 17; -19)$ nuqta bu parallel ko'chirishda D nuqtaga o'tadi. D nuqta koordinatalarini toping. **(8 ball)**

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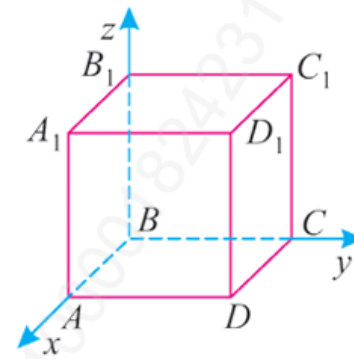
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