

$$a+b=1$$

a, b - нақты сандар

$$\frac{a^2+b^2}{2} \leq a^3+b^3 \leq a^2+b^2$$

$$\frac{a^2+2ab+b^2}{2} \leq (a+b)(a^2+ab+b^2) \leq a^2-2ab+b^2$$

$$a^2+2ab+b^2 \leq 2((a+b)(a^2+ab+b^2)) \leq 2(a^2+2ab+b^2)$$

$$a=0, b=1$$

$$1 \leq 2 \leq 2$$

Жауабы : дұрыс

$$a^2 = b(b+5) - 2$$

$$a = \sqrt{b(b+5) - 2}$$

$$b(b+5) - 2 = 0$$

$$b^2 + 5b - 2 = 0$$

$$D = 25 - 4 \cdot 1 \cdot (-2) = 33$$

$$x_{1/2} = \frac{-5 \pm \sqrt{33}}{2}$$

~~$$b(b+5) - 2 = 0$$~~

$$b(b+5) - 2 = 0$$

$$b(b+5) = 2$$

$$b_1 = 2 \quad b_2 = -5$$

$$a = \sqrt{2(2+5) - 2}$$

$$a = \sqrt{12} = 2\sqrt{3}$$

a) $\varepsilon_{KOE} [1; 15] = 15$
 $\varepsilon_{KOE} [2; 3] = 15$

жауабы: 2 нұп

b) $\varepsilon_{KOE} [1; 2025] = 2025$
 $\varepsilon_{KOE} [5; 405] = 2025$
 ~~$\varepsilon_{KOE} [25; 405] = 20$~~
 $\varepsilon_{KOE} [25; 81] = 2025$
 $\varepsilon_{KOE} [75; 27] = 2025$
 $\varepsilon_{KOE} [3; 675] = 2025$
 $\varepsilon_{KOE} [15; 135] = 2025$
 $\varepsilon_{KOE} [45; 45] = 2025$

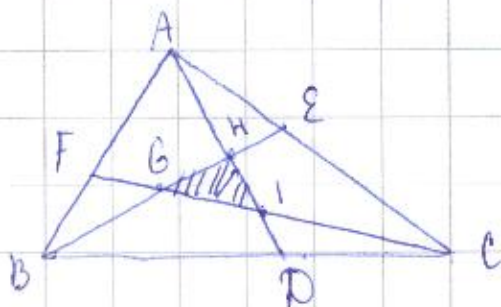
$\triangle ABC$

$$\frac{BD}{DC} = \frac{CE}{EA} = \frac{AF}{FB} = \frac{3}{2} = 1,5$$

$$BD = 1,5 DC$$

$$CE = 1,5 EA$$

$$AF = 1,5 FB$$



$$\left(\begin{array}{l} \triangle BGF = \triangle CDI = \triangle AHE \\ \triangle \end{array} \right)$$

$$MC : 1350$$

Итриматалган сәуіктің
ауданы 100 болса, $\triangle ABC$ -ның
ауданы: $S = \frac{3}{2} \cdot \frac{3}{1} \cdot 100 \cdot \frac{3}{1} =$
 $= 1350$