

ماں سُرپی 9

$$\frac{(-\frac{\sqrt{3}}{2})a + (-\frac{\sqrt{3}}{2})b}{a(-\frac{1}{2}) + b(\frac{1}{2})} = -\frac{\sqrt{3}}{2} \rightarrow \frac{\sqrt{3}(a+b)}{(a-b)} = -\frac{\sqrt{3}}{2}$$

$$\frac{-\frac{\sqrt{3}}{2}a + b \times -\frac{1}{2}}{-\frac{1}{2}a + b \times \frac{1}{2}} = -\frac{\sqrt{3}}{2} \Rightarrow \frac{-\frac{\sqrt{3}a}{2} - \frac{b}{2}}{-\frac{a}{2} + \frac{b}{2}} = -\frac{\sqrt{3}}{2}$$

$3a + 3b = b - a$

$b = -4a \rightarrow \frac{b}{a} = -4$

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

$(\frac{1}{2}, y) \rightarrow \frac{1}{2} + y^2 = 1 \rightarrow y^2 = \frac{3}{4} \Rightarrow y = \pm \frac{\sqrt{3}}{2}$ $\Rightarrow 90^\circ$ ✓ $40^\circ + 210^\circ = 250^\circ$

$PP' = \sqrt{(\frac{\sqrt{3}}{2} - (-\frac{1}{2}))^2 + (\frac{1}{2} - (-\frac{\sqrt{3}}{2}))^2} = \sqrt{2 + \sqrt{3}}$

$\text{مسافت} = 1 + 1 + \sqrt{2 + \sqrt{3}} = 2 + \sqrt{2 + \sqrt{3}}$

$\frac{\pi}{4} = \frac{\pi}{2} \times \frac{1}{2} = 90^\circ \times \frac{1}{2} = 45^\circ$

$\Rightarrow (2, \epsilon_0) \rightarrow$ ✓

$1h \rightarrow 30^\circ$

$\epsilon_{min} \leftarrow 40^\circ$

$\Rightarrow 2$

۴. ۲ دینے قبل رجوع از رد کر کے تقریباً سات شمار ۲

$-\frac{1}{2} < \sin \leq 1$

$\Rightarrow -\frac{1}{2} < \frac{m}{d} \leq 1 \Rightarrow \frac{1}{2} < m \leq 1$ ✓

$$\frac{c \cdot \sin 60^\circ + k(-\sin 60^\circ)}{-c \sin 60^\circ - 2 \sin 60^\circ} = 3 \Rightarrow \frac{-1c(-\frac{\sqrt{3}}{2}) + 1}{-2(\frac{\sqrt{3}}{2}) - 1} = 3 \Rightarrow -\frac{\sqrt{3}c}{\sqrt{3} - 1} = 3$$

$\Rightarrow 15 = 22$ ✓

o, 10 o, 9 o, 1^ o, 1^