

$$\cos^2(P/3 - 7x) = 1/2$$

$$\cos^2 t = 1/2$$

$$\cos t = \pm 1/\sqrt{2}$$

$$1) \cos t = 1/\sqrt{2}$$

$$\cos t = \sqrt{2}/2$$

$$t = \pm P/4 + 2Pk$$

$$P/3 - 7x = \pm P/4 + 2Pk$$

$$-7x = \pm P/4 + 2Pk - P/3$$

$$x = \mp P/28 - 2Pk/7 + P/21$$

$$2) \cos t = -1/\sqrt{2}$$

$$\cos t = -\sqrt{2}/2$$

$$t = \pm 3P/4 + 2Pk$$

$$P/3 - 7x = \pm 3P/4 + 2Pk$$

$$-7x = \pm 3P/4 + 2Pk - P/3$$

$$x = \mp 3P/28 - 2Pk/7 + P/21$$

// Ответ: $\pm P/4 + 2Pk$; $\pm 3P/4 + 2Pk$;

$\mp P/28 - 2Pk/7 + P/21$; $\mp 3P/28 - 2Pk/7 + P/21$

$$\cos(-u) = \cos(u)$$

$$\cos^2(P/3 - 7x) = 1/2$$

$$\cos^2(7x - P/3) = 1/2$$

$$\cos^2 x = (\cos 2x + 1)/2$$

$$\cos^2 t = 1/2$$

$$(\cos 2t + 1)/2 = 1/2$$

$$\cos 2t + 1 = 1$$

$$\cos 2t = 0$$

$$2t = P/2 + Pk$$

$$t = P/4 + Pk/2$$

$$P/3 - 7x = P/4 + Pk/2$$

$$x = (P/3 - P/4 - Pk/2)/7$$

$$x = P/21 - P/28 - Pk/14$$

$$\sin^2 x = (1 - \cos 2x)/2$$

$$\sin^2(P/3 - 7x) = 1/2$$

$$\sin^2 t = 1/2$$

$$\sin t = \pm \sqrt{2}/2$$

$$1) \sin t = \sqrt{2}/2$$

$$t = 3P/4 + 2Pk$$

$$t = P/4 + 2Pk$$

$$2) \sin t = -\sqrt{2}/2$$

$$t = 5P/4 + 2Pk$$

$$t = 7P/4 + 2Pk$$

$$P/3 - 7x = 3P/4 + 2Pk$$

$$x = (P/3 - 3P/4 - 2Pk)/7 = P/21 - 3P/28 - 2Pk/7$$

$$P/3 - 7x = P/4 + 2Pk$$

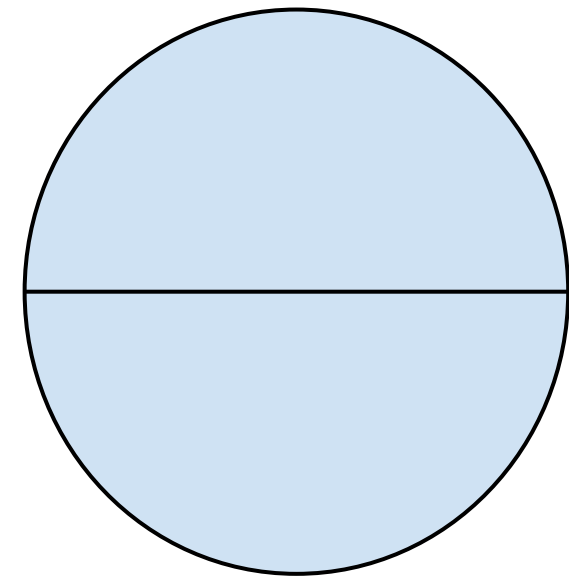
$$x = (P/3 - P/4 - 2Pk)/7 = P/21 - P/28 - 2Pk/7$$

$$P/3 - 7x = 5P/4 + 2Pk$$

$$x = (P/3 - 5P/4 - 2Pk)/7 = P/21 - 5P/28 - 2Pk/7$$

$$P/3 - 7x = 7P/4 + 2Pk$$

$$x = (P/3 - 7P/4 - 2Pk)/7 = P/21 - P/4 - 2Pk/7$$



$$\sin^2 t = 1/2$$

$$(1 - \cos 2t)/2 = 1/2$$

$$1 - \cos 2t = 1$$

$$\cos 2t = 0$$

$$2t = P/2 + Pk$$

$$t = P/4 + Pk/2$$

$$P/3 - 7x = P/4 + Pk/2$$

$$x = P/21 - P/28 - Pk/14$$