

$$\sin x = \sin y$$

$$\cos x = \sin 2y$$

$$\sin x = \sin y$$

$$\cos x = \sin 2y$$

$$\sin^2 x + \cos^2 x = 1$$

$$\sin^2 y + \sin^2 2y = 1$$

ошибка ниже

$$\sin^2 y + \cos^2 2y - 1 = 0$$

$$-\cos^2 y + \cos^2 2y = 0$$

$$-\cos^2 y + (2\cos^2 y - 1)^2 = 0$$

$$-2P/3 + 2Pt$$

$$\cos^2 y - (2\cos^2 y - 1)^2 = 0$$

$$\cos^2 y - 4\cos^4 y + 4\cos^2 y - 1 = 0$$

$$5\cos^2 y - 4\cos^4 y - 1 = 0$$

$$4\cos^4 y - 5\cos^2 y + 1 = 0$$

$$\cos^2 y = a$$

$$4a^2 - 5a + 1 = 0$$

$$a = 1; 1/4$$

$$\cos y = -1/2$$

$$y = +2P/3 + 2Pt$$

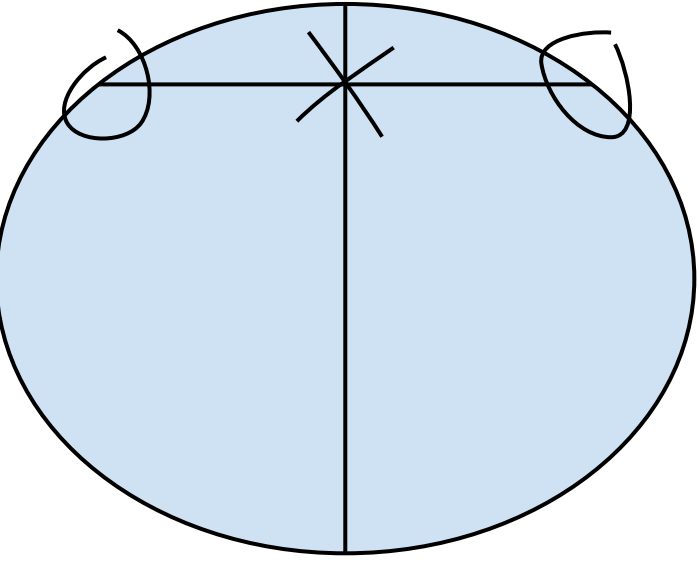
$$x_1 = P/3 + 2Pu$$

$$x_1 = P - P/3 + 2Pv$$

$$x_2 = -P/3 + 2Pf$$

$$x_2 = P + P/3 + 2Pt$$

Ответ:
 (Pj; 2Pk);
 (Pq; P+2Ph);
 (P/3+2Pm; +P/3+2Pn);
 (2P/3+2Pb; +P/3+2Pn);
 (-P/3+2Pf; -P/3+2Pn);
 (P+P/3+2Pg; -P/3+2Pn);
 ;
 (P/3+2Pu; +2P/3+2Pt);
 (P-P/3+2Pv; +2P/3+2Pt);
);
 (-P/3+2Pf; -2P/3+2Pt);
 (P+P/3+2Pt; -2P/3+2Pt)



$$\cos^2 y = 1$$

$$\cos y = 1$$

$$y = 2Pk$$

$$x = Pj$$

$$\cos y = -1$$

$$y = P + 2Ph$$

$$x = Pq$$

$$\cos^2 y = 1/4$$

$$\cos y = 1/2$$

$$y = +P/3 + 2Pn$$

$$x_1 = P/3 + 2Pm$$

$$x_1 = 2P/3 + 2Pb$$

$$x_2 = -P/3 + 2Pf$$

$$x_2 = P + P/3 + 2Pg$$

$$\sin x - \sin y = 0$$

$$\sin(a-b) - \sin(a+b) = \sin a \cos b - \sin b \cos a - \sin a \cos b - \sin b \cos a = -2\sin b \cos a$$

$$a-b=x \Rightarrow 2a=x+y \Rightarrow a=(x+y)/2$$

$$a+b=y \Rightarrow 2b=y-x \Rightarrow b=(y-x)/2$$

$$\sin x - \sin y = -2\sin(y-x)/2 * \cos(x+y)/2 = 2\sin(x-y)/2 * \cos(x+y)/2$$

$$\sin(P/2-x) = \sin P/2 \cos x - \sin x \cos P/2 = \cos x$$

$$\cos(P/2-x) = \cos P/2 \cos x - \sin P/2 \sin x = \sin x$$

$$\sin(P/2-x) - \sin 2y = 2\sin(P/2-x-2y)/2 * \cos(P/2-x+2y)/2$$

$$\sin(x-y)/2 * \cos(x+y)/2 = 0$$

$$\sin(P/2-x-2y)/2 * \cos(P/2-x+2y)/2 = 0$$

$$A*B = 0$$

$$C*D = 0$$

(P+Q)*W = P*W + Q*W *-пересечения + - объединение

$$(A+B)*(C+D)$$

$$\sin(x-y)/2 = 0$$

$$\sin(P/2-x-2y)/2 = 0$$

$$\sin(x-y)/2 = 0$$

$$\cos(P/2-x+2y)/2 = 0$$

$$\cos(x+y)/2 = 0$$

$$\sin(P/2-x-2y)/2 = 0$$

$$\cos(x+y)/2 = 0$$

$$\cos(P/2-x+2y)/2 = 0$$

$$\sin(x-y)/2 = 0$$

$$x-y = 2Pk$$

$$\sin(P/2-x-2y)/2 = 0$$

$$x+2y = -2Ph + P/2$$

$$-3y = 2Pk + 2Ph - P/2$$

$$y = -2Pk/3 - 2Ph/3 + P/6$$

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

$$x = 4Pk/3 - 2Ph/3 + P/6$$

$$\sin(x-y)/2 = 0$$

$$x-y = 2Pk$$

$$\cos(P/2-x+2y)/2 = 0$$

$$-x+2y = 2Pn + P/2$$

$$y = 2Pk + 2Pn + P/2$$

$$x = 4Pk + 2Pn + P/2$$

$$\cos(x+y)/2 = 0$$

$$x+y = P + 2Pk$$

$$\sin(P/2-x-2y)/2 = 0$$

$$-x-2y = 2Pn - P/2$$

$$y = -2Pk - 2Pn - P/2$$

$$x = 4Pk + 2Pn + 3P/2$$

$$\cos(x+y)/2 = 0$$

$$\cos(P/2-x+2y)/2 = 0$$

$$x+y = P + 2Ph$$

$$-x+2y = 2Pk + P/2$$

$$y = 2Ph/3 + 2Pk/3 + P/2$$

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