$f(x) = a(x-5) + b(x+5)$

$\lim_{x=5} = \lim$ ซ้าย $= \lim$ ขวา ถ้าแล้ว $a+b$ (x)

$a+b$ (5)

$\lim_{x\to 5^-}$ $\lim_{x\to 5^+}$

$= -a(x-5) + b(x+5) = a(x-5) + b(x+5)$

$-ax + 5a + \cancel{bx+5b} = ax - 5a + \cancel{bx+5b}$

$10a = 2ax$

$x = 5$

$(-ax+5a) + (bx+5b) = (ax-5) + (bx+5b)$

$-5a + 5a + 5b + 5b = 5a - 5a + 5b + 5b$

$10a + 10a + 10b =$ $10b$

$20a + 20b = 0$

$a + b = 0$

$f(x) = 3x^4 - 2x^3 - 6x^2 + 6x + 1$

$f'(x) = 12x^3 - 6x^2 - 12x + 6$

$0 = 6(2x^3 - x^2 - 2x + 1)$

$= 6[x^2(2x-1) - (2x-1)]$

$= (x^2-1)(2x-1)$

$= (x+1)(x-1)(2x-1)$

$x = -1, 1, \frac{1}{2}$

$x = -1$: $y = \cancel{3+2-6}-6+\cancel{1}$

$= -6$

$x = \frac{1}{2}$: $y = \frac{3}{16} - \frac{2}{8} - \frac{6}{4} + \frac{6}{2} + 1$

$= \frac{3}{16} - \frac{4}{16} - \frac{24}{16} + \frac{48}{16} + \frac{16}{16}$

$= \frac{39}{16}$

$f(2) = (3\cdot 16) - (2\cdot 8) - (6\cdot 4) + (6\cdot 2) + 1$

$= 48 - 16 - 24 + 12 + 1 = 21$

$x = 1$: $y = \cancel{3-2}-6+\cancel{6+1}$

$= 2$

ไม่ได้ส้ม $n(S)$ $\frac{3}{11}$ $\frac{n(E)}{n(S)}$

$n(E)$ J ก่อนได้ ม่วงและแดงได้ได้ส้ม $\frac{5+3}{11} = \frac{15}{11}$

L แดงได้ส้ม $\frac{3}{11}$

$x + 2y + 2z = 4$ ①

$2x - 2y - z = -3$ ②

$4x + y + 2z = 3$ ③

③ ×2 : $8x + 2y + 4z = 6$ ④

② + ④ $10x + 3z = 3$ — ⑤

① + ② $3x + z = 1$ — ⑥

⑤ ×3 : $9x + 3z = 3$ — ⑦

⑥ − ⑤ $x = 0$

∴ แทน ②④⑥

$z = 1$

---

z^2

xy

y^2

$x = \bar{x}_{6,9}$ $\frac{7.5}{6.5}$ $y = s.n^2$ $\frac{(3-6)^2 + (9-6)^2}{2}$ $\bar{x} = 6$

$= \frac{6+9}{2} = 7.5$

$= sn^2 = \frac{9+9}{2} = 9$

$P(16.5 \le k) = P(65.5 - 9 \ge 2k)$

$P(16.5 \le k) = P(56.5 \ge 2k)$

$16.5 \le k$ $56.5 \ge 2k$

$6 \le k = 14 \ge 2k$

$\frac{7}{13} + \frac{10}{14}$

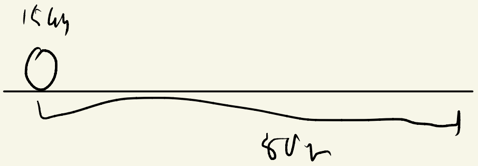
$\frac{7}{13}$

$\frac{\frac{7}{31}}{\frac{7}{13}+1} = \frac{7}{31} \cdot \frac{13}{20}$

$= \frac{91}{630} = \frac{13}{90}$

$= \frac{91}{620}$

$337 + (6)\,T \qquad \Delta T = 31.24$



$3 - \sin(2t - a)$

$\frac{8}{3} = -\sin(2t - a)$

$$q_0\, e^{-Rt/2L} \cos\left[\sqrt{\frac{1}{LC} - \left(\frac{R}{2L}\right)^2}\, t\right]$$

60
24
244

$8 = -6\sin(2x - a)$

19

$7.\cancel{950} \times 10^{-3} \quad \frac{244}{25 \times 10^{3}} = \frac{4}{3} = \sin(2x - a)$

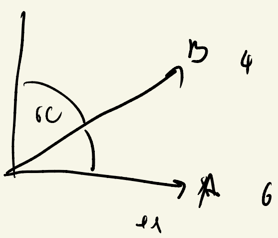
$$100 \cdot 2.72^{\frac{-8.31(5)}{10}} \cos\left[\sqrt{\frac{1}{5 \cdot 10^{-4}} - \left(\frac{8.31}{2.5}\right)^{2}}\; 0.05\right]$$

$8 = -6\cos(2t - a)$

$-\frac{4}{3} =$

$$100 \cos\sqrt{\frac{40^2(10^3 - x)(10^3 + x)}{2 \times 10^3}}$$

$$100 \cos\sqrt{20(}$$



$\cancel{6}\cos 30 \;/\; \cancel{6} \cdot \frac{\sqrt{3}}{\cancel{2}} \cdot 4 = \frac{2\sqrt{3}}{\cancel{2}}$

66
31
2

$4 \tan$

$2\sqrt{3} \cdot 6 = 1\,6\sqrt{3}$

153
14 14
17 1224
1530
2734.