

$$1) g'(m) + f'(k \sin m) \times r \cos(1 + \cos^2 m) + (-\sqrt{r} \sin m)$$

$$g'(\frac{1}{e}) + f'(r) \times r$$

$$\sim \rightarrow f'(r) \times r \times \sqrt{e} \rightarrow f'(r) \times \frac{\sqrt{e}}{e}$$

2)

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1

$$c) \rightarrow \frac{a}{e} (k-m-c) \sqrt{am} \rightarrow \frac{a}{r \sqrt{am}} \times e m - c \rightarrow \frac{1 am + f am - ca}{r \sqrt{am}}$$

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e)

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$$y + am + r \sim y_s - am + r$$

$$y'_s - a$$

$$f(e) - f'(e) \times -1$$

$$-f a + r - a \times -1$$

$$r - a \times -1$$

$$-a \times -1 = a \times \frac{r}{a}$$

$$f'(e) \times -a \times -\frac{r}{a}$$

d)

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$$v y - u s d \sim y_s \frac{d}{v} + \frac{u}{v}$$

$$f_s \frac{am-1}{r^{m+1}} \sim f'_s \frac{a(m+1) - c(am-1)}{(r^{m+1})^r} \times \frac{1}{v} \rightarrow \frac{f am + a - f am + r}{(r^{m+1})^r} \times \frac{1}{v}$$

$$\frac{am-1}{r^{m+1}} \times \frac{d}{v} + \frac{u}{v} \sim v a m - v_s (d + u) (r^{m+1})$$

$$v a m - v = 1 d m + u + r^{m+1} m \sim r^{m+1} + (u - v a) m + 1 r$$

$$d_s (14 - v a) r - e \cdot c \cdot 1 r = 0 \sim 14 - v a \times 1 r \sim -v a \times -e \times \frac{r}{v} \times \frac{1}{v}$$

$$14 - v a \times -1 r \sim -v a \times -1 r \times \frac{r}{v}$$

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u)

$$y_s m^2 + am - b$$

$$y'_s m^2 + a \sim 1 r + a \times 0 \times a \times -1 r$$

$$c \rightarrow 1 - r e - b s a \quad b = 14$$

$$b - a \times -14 + 1 r \times -e$$

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$$v) \lim_{n \rightarrow \infty} \frac{f(n) \cdot f'(n)}{(1 - \cos n)^m} \rightarrow \frac{f'(n) \cdot f(n) + f''(n) \cdot f(n)}{m(1 - \cos n)^{m-1}} = \sqrt{m}$$

$$5) y = \frac{\sqrt{m+1}}{\sqrt{m-1}} \xrightarrow{f^{-1}} x(y - m \sqrt{y+1})$$

$$y' = \frac{r}{(m-1)^r} \left(\frac{-1}{(m-1)^r} \right) \xrightarrow{y(m-1) \text{ and } 1} y \left(\frac{m+1}{m-1} \right)^r$$

$$10a) \frac{f(x) - f(-1)}{1} \xrightarrow{1 - (x) - (-1)} 1 + 1 \cdot x - 1 \xrightarrow{1 + 1 \cdot x - 1} 1 + 1 \cdot x - 1$$

$$x_{s+1} = \left(x^r (x^r + 1) \right)^r \times (x_m) \left(-\frac{1}{r} (x+1) + \left(-\frac{1}{r} \right) (x^r + 1)^r \right) \times \left(\frac{1}{r} \right)$$