

$$y = -19.5$$

$$\Rightarrow f(r) = y = -r - a = f(r) \quad f'(r) + r + a = p \Rightarrow pa = -r \Rightarrow a = -\frac{r}{p} \Rightarrow \frac{f(r)}{f'(r)} = \frac{-\frac{r}{p}}{-1} = \frac{r}{p}$$

$$f'(g(\frac{r}{\sqrt{n}})) \approx g'(\frac{r}{\sqrt{n}})$$

$$g(\frac{r}{\sqrt{n}}) = \frac{1}{\sqrt{\frac{r}{\sqrt{n}} - p}} = \frac{1}{\frac{1}{p}} = p$$

$$g'(\frac{1}{n}) = \frac{1}{n} = \frac{1}{\sqrt{n}} = \frac{1}{\sqrt{n}}$$

$$\Rightarrow \sqrt[n]{a \sqrt[n]{x}} = \sqrt[n]{n}$$

$$f(q) = P(q \mid \frac{n+1}{p}) \propto [\frac{n+1}{p}] \Rightarrow f'(p) = P[\frac{n+1}{p}] \propto p$$

$$g(\frac{1}{r}) = \cancel{\frac{p(-1)}{p}} + \cancel{\frac{p(r)}{p}} = \sum_{p \mid r} \frac{p}{p} = 1$$

$$\lim_{h \rightarrow 0} \frac{f(a) - f(a-h)}{(a) - (a-h)} = \lim_{h \rightarrow 0} \frac{f(a) - f(a-h)}{h}$$
$$= -f'(a)$$
$$f'(a) = \frac{r}{\sqrt[n]{n!}} + \frac{1}{\sqrt[n]{(n-1)!}}$$
$$f'(a) = r + \frac{1}{r^n}$$
$$f(a) = r$$

$$y = \frac{1+p}{q} \Rightarrow \frac{1}{p} a - p = -1$$

$$y' = p\eta - r = -r \Rightarrow \eta = 1 \quad y = 1 - \eta + \omega = r \Rightarrow (1, r)$$