

(4)

⑤

$$n > 1, \quad n < -1$$

$$Df = (-\infty, -1) \cup (1, +\infty)$$

①

$$\sqrt{y} = 9 - \sqrt{n} \rightarrow 9 \geq \sqrt{n} \rightarrow 81 \geq n$$

$$D_f \approx [0, 117]$$

9

$$r[r_m - \frac{1}{r}] > -r \rightarrow [r_m - \frac{1}{r}] > -1$$

$$\frac{1}{3} \ll n \rightarrow \frac{1}{n} \approx 0$$

10

$$\frac{2510 + a}{100}$$

$$C - b = \frac{10 + a}{r} - \frac{a}{r} = d$$