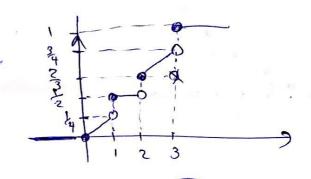
Sina ) BS 
$$n \rightarrow \frac{4}{3}$$
  $\frac{2}{3}$   $\frac{2}{3}$ 



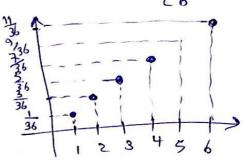
b) 
$$P(X=2) = F(2) - F(2) = \frac{2}{3} - \frac{1}{2} = \frac{1}{6}$$

c) 
$$P(14 \times (3) = F(3) - F(1) = \frac{3}{4} - \frac{1}{4} = \frac{1}{2}$$

d) 
$$P(X > 3_{\frac{1}{2}}) = 1 - P(X < \frac{3}{2}) = 1 - F(\frac{3}{2}) = \frac{1}{2}$$

$$\frac{\chi \sqrt{123456}}{\chi(y) \frac{1}{363636363636}} \rightarrow P(\chi = \chi) = \frac{2\chi - 1}{36} = \frac{1}{36} = \frac{1}{36}$$

$$P(X = x) = \int_{SX-1}^{9} |X| |X|$$
 else



$$F(X=n) = \sum_{i=-\infty}^{n} P(X=i) = \sum_{i=-\infty}^{n} \frac{2i-1}{36} = \frac{-n}{36} + \frac{1}{18} \sum_{i=-\infty}^{n} \frac{n^2}{36}$$

$$\int_{-\infty}^{+\infty} f_{(N)} dn = \int_{3}^{3} f_{(N)} dx + \int_{3}^{5} f_{(N)} dn = \int_{3}^{3} (4^{N} - \frac{1}{4}) dx$$

$$+ \int_{3}^{5} (-\frac{1}{4}x + \frac{5}{4}y dx)$$

$$= \left(\frac{x^2}{8} - 4x\right) \Big|_{1}^{3} + \left(-\frac{x^2}{8} + \frac{5}{4}x\right)_{3}^{5} = 1$$

$$\int_{-\infty}^{\infty} \frac{f(x)}{f(x)} dx + \int_{-\infty}^{\infty} \frac{f(x)}{f(x)} dx + \int_{-$$

$$F(n) = \int_{-\infty}^{2} f(t) dt = \begin{cases} \frac{2^{2}}{8} - \frac{1}{4}n + \frac{1}{8} (3n + 3) \\ -\frac{2^{2}}{8} + \frac{5}{4}n - \frac{17}{8} (3n + 5) \end{cases}$$

