

2020-2019 :	
	:
2020 02 :	
	3 :

04 :

$P(B) = P(A)$ 1
 $P(A \cap B) = \frac{1}{10}$ -
 $P_B(A) = P(A \cap B) \times P(A)$ 2

$w = \{0; 1; 2; -3\}$ -
 $P(X=1) = \frac{24}{100}$ -
 $P(X=0) = \frac{144}{1000}$ -
 $P[\ln(2X+6) < \ln(X+8)] = 0,384$ -

05 :

$(iz + 2\sqrt{3})(z^2 - 6z + 12) = 0$ 1
 $(O; \vec{U}; \vec{V})$ 2

$z_D = 6$ -
 $z_C = 2\sqrt{3}i$ -
 $z_B = \overline{z_A}$ -
 $z_A = 3 + \sqrt{3}i$ -

$\left(\frac{z_A}{z_B}\right)^n = \frac{z_C}{z_A}$ -
 $\left(\frac{z_A}{z_B}\right)^{1441} = \frac{z_C}{z_A}$ -
 $z' = 2z - 2\sqrt{3}i$ 3

$OADB$ -
 $Arg(\overline{z} - z_B) = \frac{\pi}{2}$ -
 (E) 4

04 :

- . $u_{n+1} = 2 - (2 - u_n)^2$: n $u_0 = \frac{5}{3}$: (u_n)
- . $1 < u_n < 2$: n \mathbb{N} (u_n)
- . $v_n = \ln(2 - u_n)$: n (v_n)
- . $q = 2$ (v_n) -
- . $\lim_{n \rightarrow +\infty} u_n$ n u_n n v_n -
- . $P_n = (2 - u_0) \times (2 - u_1) \times (2 - u_2) \times \dots \times (2 - u_n)$: n P_n ④

07 :

- $g(x) = 1 + (x^2 - 1)e^x$: \mathbb{R} g :
- . $0,71 < \alpha < 0,72$ α $g(x) = 0$ ①
- . $g(x)$ - ②
- . $f(x) = x + (x - 1)^2 e^x$: \mathbb{R} f :
- . $\|\vec{i}\| = 2cm$ $(o; \vec{i}; \vec{j})$ (C_f)
- . $-\infty$ (C_f) $y = x$ (Δ) ①
- . (Δ) (C_f) - ②
- . $f'(x) = g(x)$: x f ③
- . (T) (Δ) (C_f) ④
- . $f(\alpha) \approx 0,9$ $]-\infty; 2]$ (C_f) $(T), (\Delta)$ ⑤
- . $f(x) = x + m$: m ⑥

2020



تخلّى عن الإيحاءات السلبية كن إيجابياً

