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[2]: 19.10; 19.11; 19.14; 19.16; [4]: 50; 52; 55

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1.29; [3]: 4.19; 4.21; 4.23

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$$\left(-\frac{\pi}{2}; \frac{\pi}{2}\right)$$

$$f(x) = C \cos x.$$

$$f(x) = 0.$$

$$\left(0; \frac{\pi}{4}\right).$$

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$$p(x) = 0.$$

$$p(x) = 2 \cos 2x.$$

$$M(X).$$

$$\left(0; \frac{\pi}{4}\right)$$

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2. $a, M(X), D(X), \sigma(X)$

$$f(x) = \begin{cases} 0, & x \leq 0, \\ a \sin 3x, & 0 < x \leq \frac{\pi}{3}, \\ 0, & x > \frac{\pi}{3}. \end{cases}$$

3.

$$\overline{X_b} = 14.$$

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2		2-2,5
3		1,5-1,75
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X

x_i	1	2	3	4	5
p_i	0,2	0,3	?	0,1	0,1

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- 7.3.
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<http://www.intuit.ru/department/mathematics/ptams/>;
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