A manufacturer requires you to investigate a batch of semiconductors that contains 95 unit, by selecting 9 without replacement for functional testing. If 4 units are defective, what is the probability that at least 1 defective unit is in the sample?

Select one:

- a. 0,333
- b. 0.547
- c. 0.231
- d. 0.667
- e. 0.453

Clear my choice

Not yet answered

Marked out of 1.00

Flag question

Patients arrive at an emergency department according to a Poisson process with a mean of 6 per hour. What is the probability that more than 30 minutes is required for the third arrival?

Select one:

- a. 0.632
- b. 0.758
- c. 0.05
- d. 0.423
- e. 0.242

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Finish attempt ...

Question 3

Not yet answered

Marked out of 1.00

Flag question

Suppose that $f(x) = e^{-(x-2)}$ for $2<x$. Determine x such that $P(X<x) = 0.85$.

Select one:

- a. 7.562
- b. -0.256
- c. -2.996
- d. 5.996
- e. 3.897

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A company has been monitoring their sales, and based on the history of data collected, they can **provide the following probability distribution** for the number of sales per week per salesperson. What is the sales per week per person standard deviation? (Round to the nearest two decimal places)

Number of sales per week	Probability f(x
0	0.09
10	0.15
20	0.42
30	0.26
40	0.08

Answer:

Marked out of 1.00

Flag question

A manufacturer of wires has 4% defective of produced wires. Assume that the wires are independent and that a batch contains 1000 chips. Find the probability (approximately) that **less than** 25 chips are defective?

Select one:

- a. 0.8460
- b. 0.9938
- c. 0.1141
- d. 0.0062
- e. 0.500

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Question 10

Not yet answered

Marked out of 1.00

Flag question

Patients arrive at an emergency department according to a Poisson process with a mean of 7.5 per hour. What is the probability that more than 20 minutes is required for the fourth arrival?

Select one:

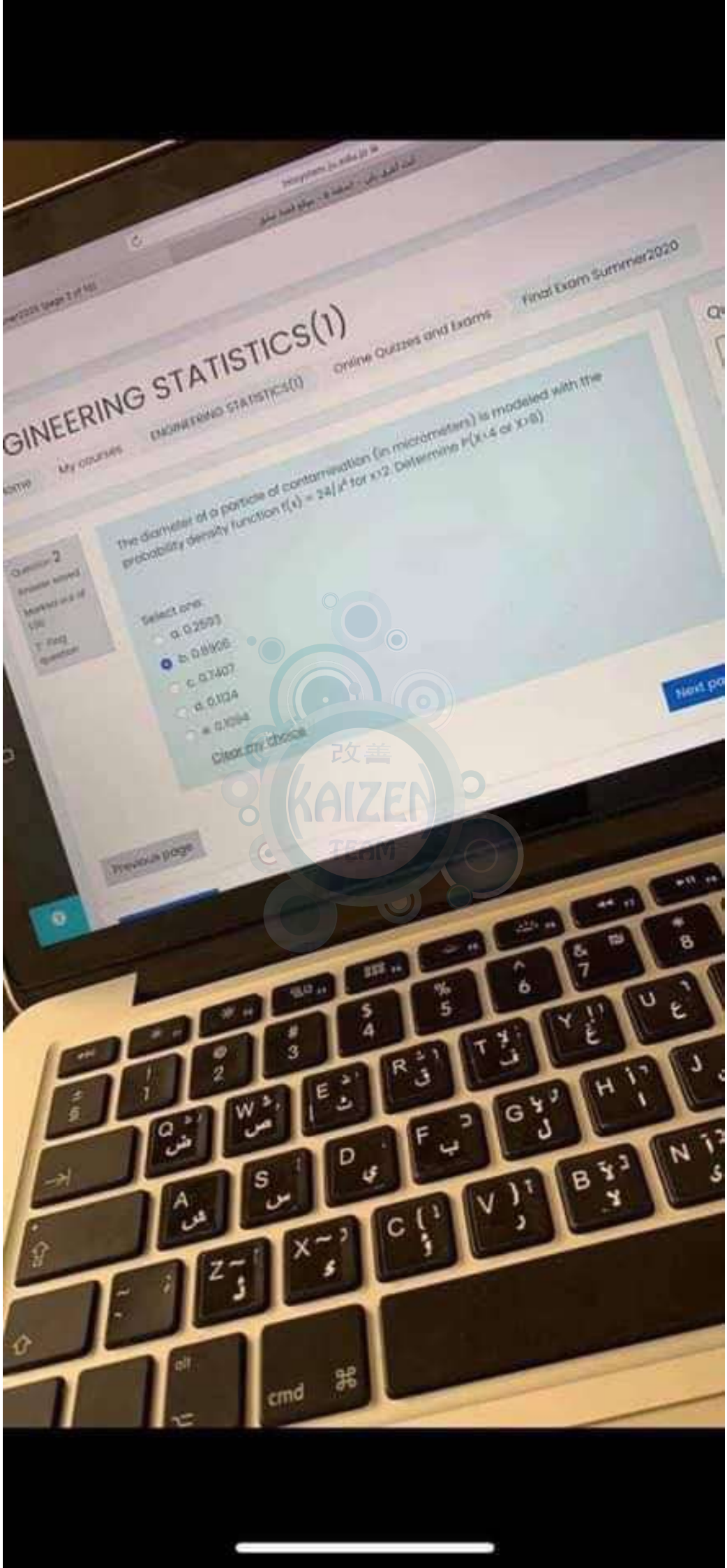
a. 0.758

b. 0.423

c. 0.632

d. 0.05

e. 0.242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Select one:
a. 0.2593
b. 0.8906
c. 0.7407
d. 0.1134
Clear my choice
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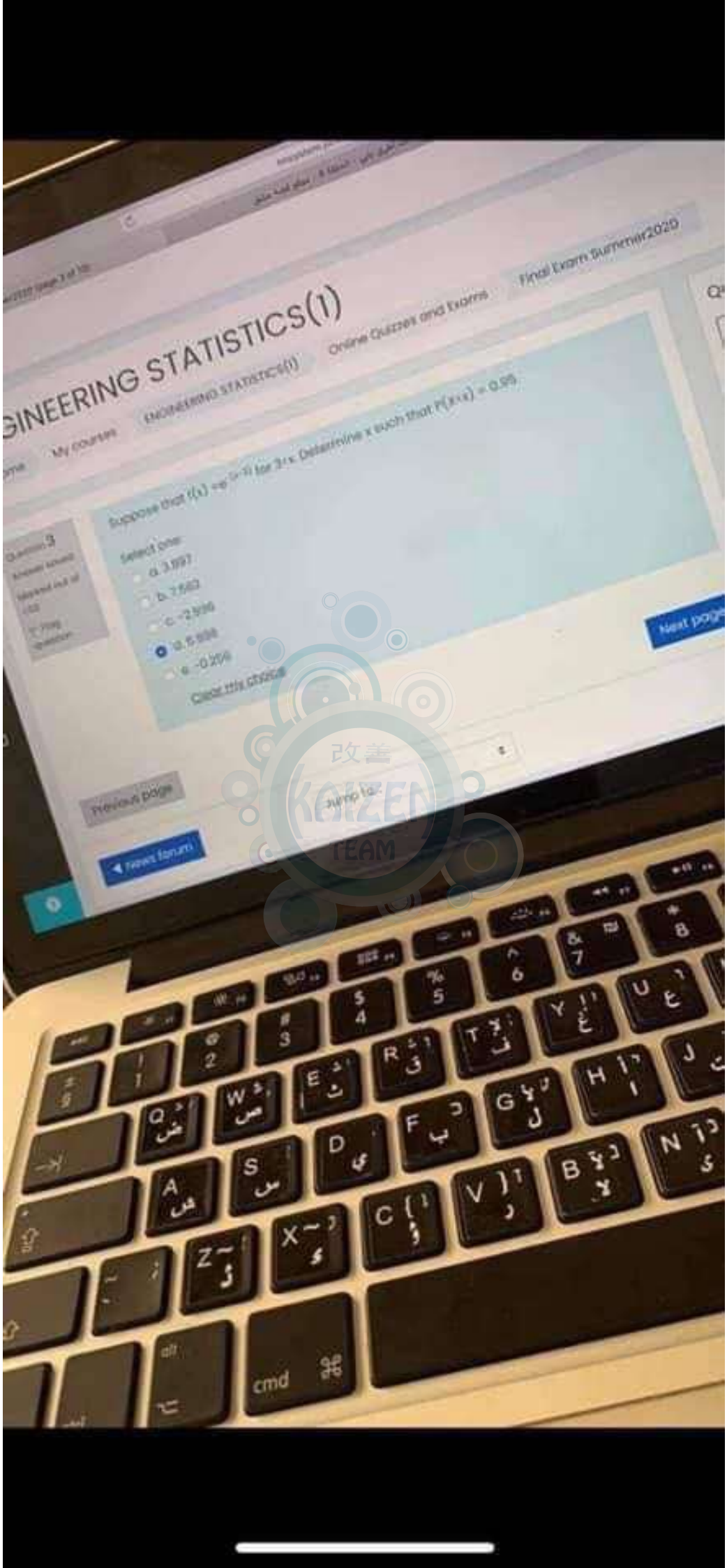
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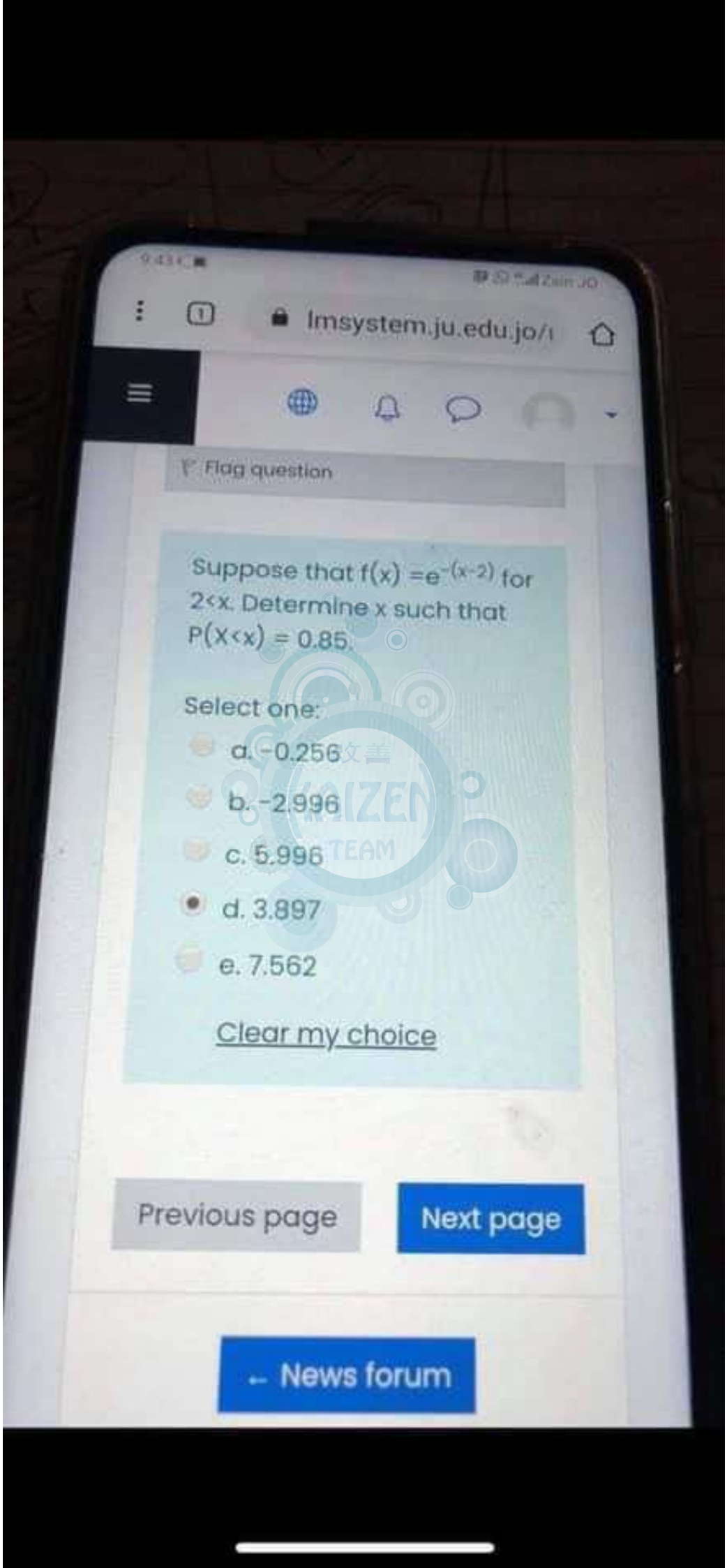
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Flag question
Suppose that $f(x) = e^{-(x-2)}$ for $2<x$. Determine x such that $P(X<x) = 0.85$.
Select one:
a. -0.256
b. -2.996
c. 5.996
d. 3.897
e. 7.562
Clear my choice
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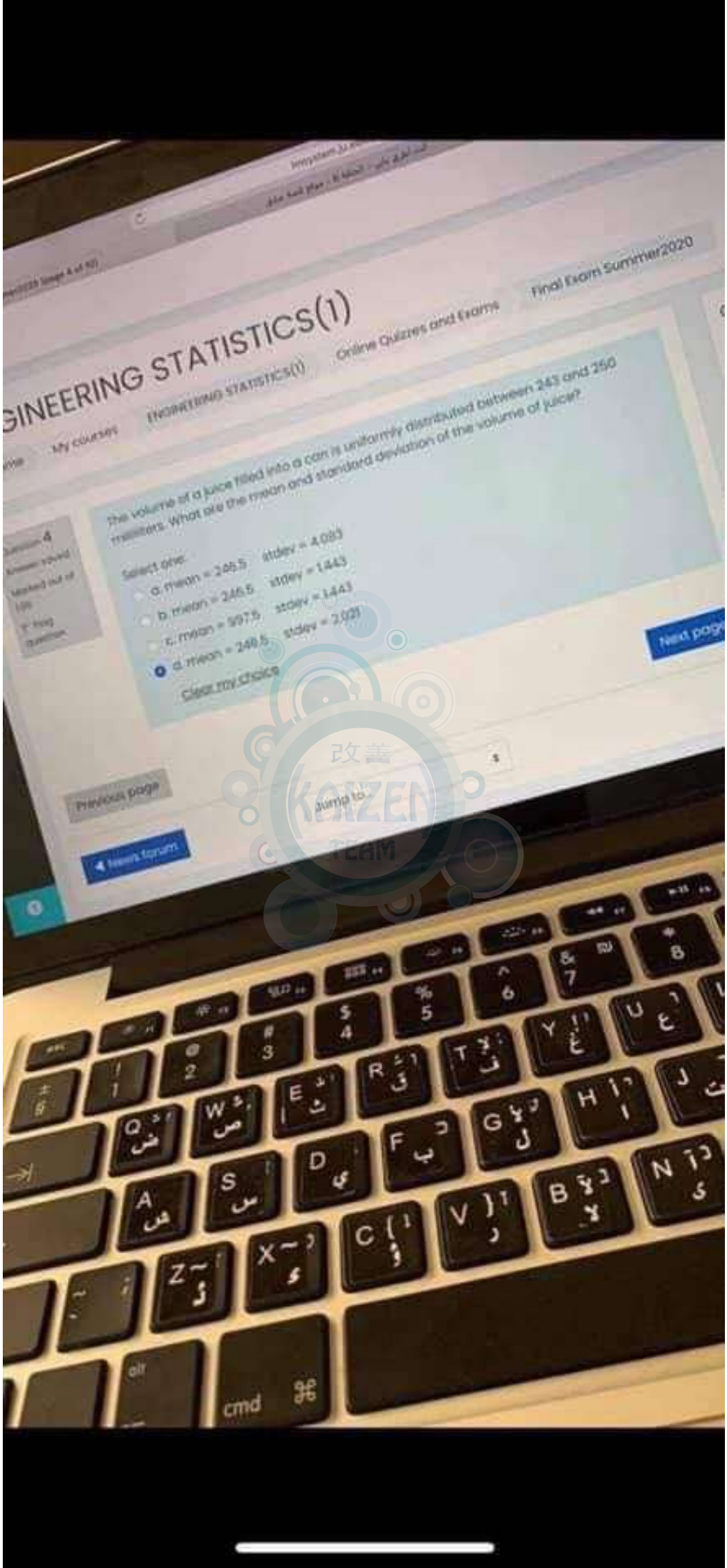
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The volume of a juice filled into a can is uniformly distributed between 243 and 250 milliliters. What are the mean and standard deviation of the volume of juice?
Select one:
a. mean = 246.5 stdev = 4.083
b. mean = 246.5 stdev = 1.443
c. mean = 997.5 stdev = 1.443
d. mean = 248.5 stdev = 2.021
Clear my choice
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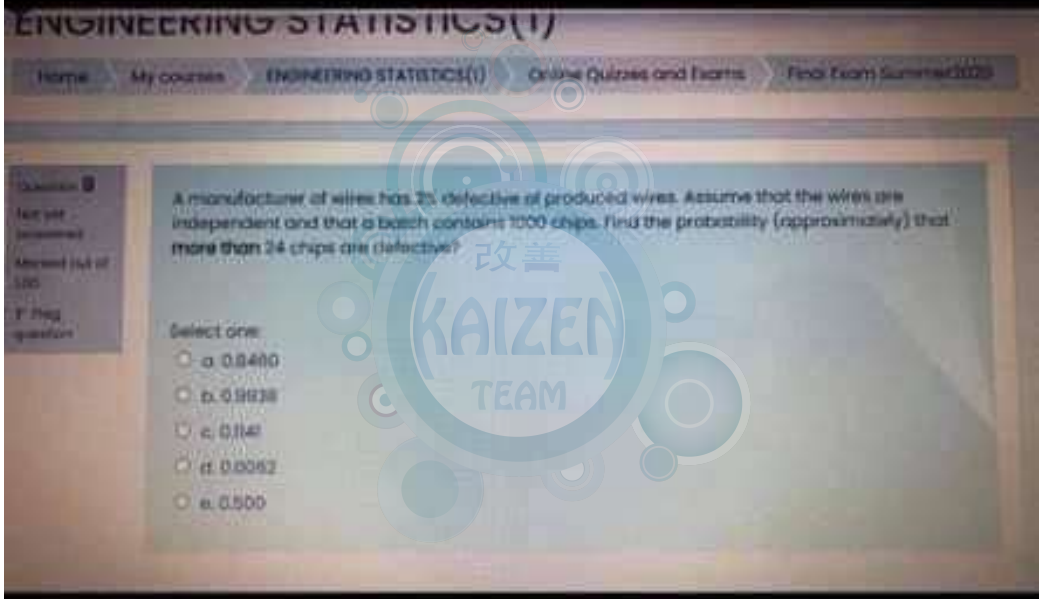
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A manufacturer of wires has 2% defective of produced wires. Assume that the wires are independent and that a batch contains 1000 chips. Find the probability (approximately) that more than 24 chips are defective?
Select one:
a. 0.8480
b. 0.9938
c. 0.114
d. 0.0062
e. 0.500
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