السؤال 1

"Suppose X has an exponential distribution with $\lambda = 10$,then E(x) = 0.1"

الإجابة المحددة: ✓ صواب

الإجابات: ✓ صواب

خطأ

السؤال 2

" = (Suppose that X has a continuous uniform distribution over the interval [1.5 , 5.5] then P(X < 2.5"

الإجابة المحددة: ✓ 0.25

الإجابات: 0.1

0.9

0.4011

0.25 ✓

السؤال 3

" Suppose X has an exponential distribution with $\lambda = 3$, then P (X < 1) is"

الإجابة المحددة: ✓ 0.9502

الإجابات:

0.4456

السؤال 4

Assume X is normally distributed with a mean of 150 and a standard deviation of10. Then P (X < 165) is

الإجابة المحددة: ✅ 0.9332

الإجابات:

0.1287

0.9332 ✅

0.1287

0.2305

السؤال 5

"Suppose that X has a continuous uniform distribution on the integer 1.5 through 2.2, then V(x) = 0.87"

الإجابة المحددة: ✅ خطأ

الإجابات: صواب

خطأ ✅

الأربعاء ١٠ ربيع آخر, ١٤٤٢ ٩:٠٦:٤٦ م AST

+→ موافق

Question 1

"Suppose X has an exponential distribution with $\lambda = 8$, then $P(X > 1)$ is"

Selected Answer: ✓ 0.0003

Answers: 0.3906

0.3676

✓ 0.0003

0.2036

Question 2

Assume X is normally distributed with a mean of 12 and a standard deviation of 2. Then $P(9 < X < 13)$ is

Selected Answer: ✓ 0.6247

Answers: ✓ 0.6247

0.7301

0.1293

0.1293

"Suppose that X has a continuous uniform distribution over the interval [1.5 , 2.2] then P(X > 1.75) = "

Selected Answer:	✓	0.6429
Answers:		0.55
		0.53
		0.05
	✓	0.6429

"Suppose X has an exponential distribution with λ = 5 ,then E(x) = 0.6"

Selected Answer:	✓	False
Answers:		True
	✓	False

"Suppose that X has a continuous uniform distribution on the integer 1 through 4, then E(x) = 7"

Selected Answer:	✓	False
Answers:		True
	✓	False

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Question 1

"Suppose X has an exponential distribution with $\lambda = 5$,then V(x) = 0.08"

Selected Answer: ✓ False

Answers:
    True
    ✓ False

Question 2

"Suppose X has an exponential distribution with $\lambda = 6$, then $P(X < 1)$ is "

Selected Answer: ✓ 0.9975

Answers:
    0.3832
    0.2476
    ✓ 0.9975
    0.4346

Question 5

"Suppose that X has a continuous uniform distribution on the integer 1 through 5, then E(x) = 3"

Selected Answer: ✓ True
Answers: ✓ True
False

Question 4

"Suppose that X has a continuous uniform distribution over the interval [50 , 75] then P(X > 60) = "

Selected Answer: ✓ 0.6

Answers: 0.91

0.1

✓ 0.6

0.05

Question 5

Assume X is normally distributed with a mean of 5 and a standard deviation of 4. Then P (X > 0) is

Selected Answer: ✓ 0.8943

Answers: 0.4413

✓ 0.8943

0.1287

0.2305

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"Suppose that X has a continuous uniform distribution on the integer -1 through 1, then E(x) = 5"

الإجابة المحددة: ✓ خطأ

الإجابات: صواب

✓ خطأ

" = Suppose that X has a continuous uniform distribution over the interval [1.5 , 5.5] then P(X < 3)"

الإجابة المحددة: ✓ 0.357

الإجابات: 0.63

0.97

0.357 ✓

0.05

Scanned with CamScanner

"Suppose X has an exponential distribution with λ = 5 ,then V(x) = 0.07"

الإجابة المحددة: ✅ خطأ

الإجابات: صواب

✅ خطأ

السؤال 2

Assume X is normally distributed with a mean of 150 and a standard deviation of10. Then P (| X - 150 | < 5) is

الإجابة المحددة: ✅ 0.383

الإجابات: 0.4292

✅ 0.383

0.4292

0.6306

السؤال 3

"Suppose X has an exponential distribution with λ = 2 , then P (X ≤ 1) is"

الإجابة المحددة: ✅ 0.8647

Scanned with CamScanner

"Suppose X has an exponential distribution with λ = 2, then P (X ≤ 1) is"

Selected Answer: ✓ 0.8647

Answers:

0.2256

✓ 0.8647

0.4126

0.3754

Question 2
1 out of 1 points

"Suppose that X has a continuous uniform distribution over the interval [50 , 75] then P(X > 70) = "

Selected Answer: ✓ 0.2

Answers:

0.05

0.6

0.9

✓ 0.2

Question 3
1 out of 1 points

"Suppose X has an exponential distribution with λ = 6,then E(x) = 0.4"

Selected Answer: ✓ False

Answers: True

✓ False

Question 4
1 out of 1 points

"Suppose that X has a continuous uniform distribution on the integer 3 through 7, then E(x) = 5"

Selected Answer: ✓ True

Answers: ✓ True

False

Question 5
1 out of 1 points

Assume X is normally distributed with a mean of 5 and a standard deviation of 4. Then P (-2 < X < 9) is

Selected Answer: ✓ 0.8013

Question 5

Assume X is normally distributed with a mean of 150 and a standard deviation of 10. Then P (X < 165) is

Selected Answer: ✅ 0.9332

Answers:

0.1287

0.1287

0.2305

✅ 0.9332

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← OK

Question 1

0 out of 1 points

"Suppose that X has a continuous uniform distribution on the integer -1 through 1, then V(x) = 0.33"

Selected Answer: ❌ False

Answers: ✅ True

False

Question 2

1 out of 1 points

"Suppose X has an exponential distribution with λ = 6, then P (X < 1) is "

Selected Answer: ✅ 0.9975

Answers:

0.4346

✅ 0.9975

0.2476

0.3832

Question 3

1 out of 1 points

"Suppose X has an exponential distribution with λ = 5 ,then V(x) = 0.07"

Selected Answer: ✅ False

Answers: True

✅ False

Question 4

1 out of 1 points

"Suppose that X has a continuous uniform distribution over the interval [50 , 75] then P(X > 55) = "

Selected Answer: ✅ 0.8

Answers: ✅ 0.8

0.09

0.73

0.09

Question 1

"Suppose that X has a continuous uniform distribution on the integer 1 through 4, then E(x) = 2.5"

Selected Answer: ✓ True

Answers: ✓ True

False

Question 2

Assume X is normally distributed with a mean of 5 and a standard deviation of 4. Then P (X < 11) is

Selected Answer: ✓ 0.9332

Answers: 0.6304

0.3312

0.1203

✓ 0.9332

Question 3

"Suppose X has an exponential distribution with $\lambda = 8$, then E(x) = 0.125"

Selected Answer: ✓ True

Answers: ✓ True

False

Question 4

"Suppose X has an exponential distribution with $\lambda = 2$, then P (1 < X < 2) is "

Selected Answer: ✓ 0.117

Answers: 0.5006

✓ 0.117

0.3136

0.4066

Question 5

"Suppose that X has a continuous uniform distribution over the interval [1.5 , 2.2] then P(X > 2) = "

Question 4

"Suppose X has an exponential distribution with $\lambda = 2$, then $P(1 < X < 2)$ is"

Selected Answer: ✓ 0.117

Answers: 0.5006

         ✓ 0.117

          0.3136

          0.4066

Question 5

"Suppose that X has a continuous uniform distribution over the interval [1.5 , 2.2] then $P(X > 2) = $"

Selected Answer: ✓ 0.2857

Answers: 0.09

          0.91

          0.1

         ✓ 0.2857

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تم عرض النتائج كل الإجابات, الإجابات المرسلة, الإجابات الصحيحة

السؤال 1

"Suppose X has an exponential distribution with λ = 9 ,then V(x) = 0.0123"

الإجابة المحددة: ✅ صواب

الإجابات: ✅ صواب

خطأ

السؤال 2

"Suppose X has an exponential distribution with λ = 2 , then P (X ≤ 1) is"

الإجابة المحددة: ✅   0.8647

الإجابات: 0.3136

0.3429

0.8647 ✅

0.1266

السؤال 3

X has a continuous uniform distribution on the integer 1.5 through 2.2,then E(x) = 1.85"

"Suppose X has an exponential distribution with $\lambda = 5$, then E(x) = 0.6"

Selected Answer: ✓ False

Answers: True

     ✓ False

Question 3

"Suppose that X has a continuous uniform distribution on the integer 1.5 through 2.2, then V(x) = 0.87"

Selected Answer: ✓ False

Answers: True

     ✓ False

Question 4

"Suppose X has an exponential distribution with $\lambda = 2$, then P(X ≤ 1) is"

Selected Answer: ✓ 0.8647

Answers: 0.3136

     0.1266

     ✓ 0.8647

     0.3429

Question 5

Assume X is normally distributed with a mean of 12 and a standard deviation of 2. Then P (X > 17) is

Selected Answer: ✓ 0.0062

Answers: 0.2293

0.2293

✓ 0.0062

0.8335

Question 1

Assume X is normally distributed with a mean of 5 and a standard deviation of 4. Then $P(X > 0)$ is

Selected Answer: ✓ 0.8943

Answers: ✓ 0.8943

0.2305

0.4413

0.1287

Question 2

"Suppose that X has a continuous uniform distribution over the interval [1.5 , 5.5] then $P(X < 3) =$ "

Selected Answer: ✓ 0.357

Answers: 0.97

0.63

✓ 0.357

0.05

"Suppose X has an exponential distribution with $\lambda = 5$, then $V(x) = 0.07$"

Selected Answer: ✓ False

Answers: True

     ✓ False

Question 4

"Suppose X has an exponential distribution with $\lambda = 2$, then $P(X \geq 2)$ is "

Selected Answer: ✓ 0.0183

Answers: 0.3988

     0.4786

     0.2916

     ✓ 0.0183

Question 5

"Suppose that X has a continuous uniform distribution on the integer 1 through 4, then $V(x) = 0.75$"

Selected Answer: ✓ True

Answers: ✓ True

     False

Uniform distribution

$$(a, b) = \text{range of values}$$

$$f(x) = \frac{1}{b-a}, \quad a < x < b$$

$$E(X) = \frac{a+b}{2}$$

$$\text{Var}(X) = \frac{(b-a)^2}{12}$$