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## 1. INDICACIONES

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Se utilizó los siguientes parámetros:

- $m \in \{3, 4, 5, 6\}$
- $u \in \{1, 2, 3\}$
- $unaD \in \{\text{True}, \text{False}\}$

En total, se plantean 10 preguntas.

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## 2. BANCO DE PREGUNTAS

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### 2.1 Normal

#### 1. Normal - 1

Sea  $X \sim N(3, 9)$ . Calcule  $P(2,25 \leq X \leq 2,64)$ .

- $0.0509 \pm 0.01 \checkmark$

#### 2. Normal - 2

Sea  $X \sim N(3, 4)$ . Calcule  $P(0,05 \leq X \leq 5,3)$ .

- $0.8048 \pm 0.01 \checkmark$

#### 3. Normal - 3

Sea  $X \sim N(6, 4)$ . Calcule  $P(8,1 \leq X \leq 9,45)$ .

- $0.1046 \pm 0.01 \checkmark$

#### 4. Normal - 4

Sea  $X \sim N(5, 4)$ . Calcule  $P(X \leq 1,81)$ .

- $0.0554 \pm 0.01 \checkmark$

#### 5. Normal - 5

Sea  $X \sim N(4, 9)$ . Calcule  $P(X \leq 5,36)$ .

- $0.6748 \pm 0.01 \checkmark$

#### 6. Normal - 6

Sea  $X \sim N(4, 1)$ . Calcule  $P(5,07 \leq X \leq 6,24)$ .

- $0.1298 \pm 0.01 \checkmark$

**7. Normal - 7**

Sea  $X \sim N(4, 1)$ . Calcule  $P(X \leq 2,3)$ .

- $0.0446 \pm 0.01$  ✓

**8. Normal - 8**

Sea  $X \sim N(5, 4)$ . Calcule  $P(1,65 \leq X \leq 10,71)$ .

- $0.9509 \pm 0.01$  ✓

**9. Normal - 9**

Sea  $X \sim N(5, 9)$ . Calcule  $P(X \geq 5,68)$ .

- $0.4103 \pm 0.01$  ✓

**10. Normal - 10**

Sea  $X \sim N(3, 4)$ . Calcule  $P(X \leq 4,2)$ .

- $0.7257 \pm 0.01$  ✓