

✔ **Congratulations! You passed!**

Grade received **100%** To pass 80% or higher

[Go to next item](#)

1. Which of the following statements describe continuous random variables? Select all that apply.

1 / 1 point

- ☐ Continuous random variables are typically whole numbers.
- ☒ Continuous random variables take all the possible values in some range of numbers.

✔ **Correct**

Continuous random variables take all the possible values in some range of numbers. Typically, these are decimal values that can be measured, such as height, weight, or time.

- ☒ Continuous random variables are typically decimal values.

✔ **Correct**

Continuous random variables take all the possible values in some range of numbers. Typically, these are decimal values that can be measured, such as height, weight, or time.

- ☐ Continuous random variables are typically negative numbers;

2. What probability distribution represents experiments with repeated trials that each have two possible outcomes: success or failure?

1 / 1 point

- ☐ The trinomial distribution
- ☐ The Poisson distribution
- ☐ The normal distribution
- ☒ The binomial distribution

✔ **Correct**

The binomial distribution represents experiments with repeated trials that each have two possible outcomes: success or failure.