

Full Name: _____

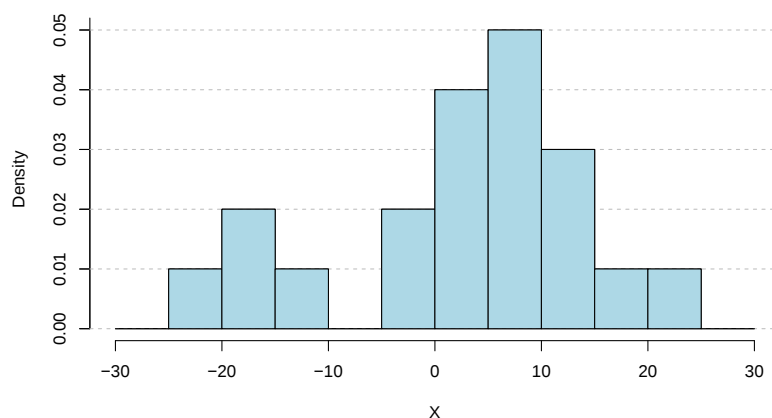
Student No: _____

Grade:

--

For each answer, **provide a short argument.**

1. (3 points) The following diagram is the histogram of a numerical variable X from a data set.



- (a) What percentage of values are between -10 and 10 ?

Answer:

--

- (b) What is the approximate value of the median of X ?

Answer:

--

- (c) Does 12 lie in the upper quartile?

Answer:

--

2. (4 points) A jar contains 3 blue balls, 2 red balls and 1 yellow ball. At random, we draw two balls from the jar, one after another, without replacement.

(a) What is an appropriate sample space for this experiment?

(b) Identify the probability of each outcome in the sample space.

(c) What is the probability that the two drawn balls have different colors?

Answer:

(d) If we know that the two drawn balls have the same color, what is the chance that they are blue?

Answer: