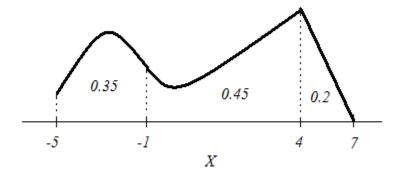
1. (2 points) State the requirements for a density curve (for a continuous random variable).

2. (3 points) Suppose *X* is a random variable with the density curve drawn below.



a) What are the possible values of *X*?

- b) What is P(X = 4)?
- c) What is  $P(-7 \le X \le 4)$ ?

