

A major cab company in Chicago has computed its mean fare from O'Hare Airport to the Drake Hotel to be \$28.02, with a standard deviation of \$4.92. Based on this information, complete the following statements about the distribution of the company's fares from O'Hare Airport to the Drake Hotel.

(a) According to Chebyshev's theorem, at least of the fares lie between 18.18 dollars and 37.86 dollars.

choices 56%, 75%, 84%, 89%

(b) According to Chebyshev's theorem, at least 84% of the fares lie between dollars and dollars.
(Round your answer to 2 decimal places.)

(c) Suppose that the distribution is bell-shaped. According to the empirical rule, approximately 99.7% of the fares lie between dollars and dollars.

(d) Suppose that the distribution is bell-shaped. According to the empirical rule, approximately of the fares lie between 18.18 dollars and 37.86 dollars.

→ choices 68%, 75%, 95%, 99.7%