17. Assume the Black-Scholes framework. Consider a one-year at-the-money European put option on a nondividend-paying stock.

You are given:

(i) The ratio of the put option price to the stock price is less than 5%.

(ii) Delta of the put option is -0.4364.

(iii) The continuously compounded risk-free interest rate is 1.2%.

Determine the stock's volatility.

(A) 12%

(B) 14%

(C) 16%

(D) 18%

(E) 20%