

- 27 Fig. (a) and Fig. (b) show two separate types of alternating potential difference with the same peak voltage (V_P) applied across a load resistor R .

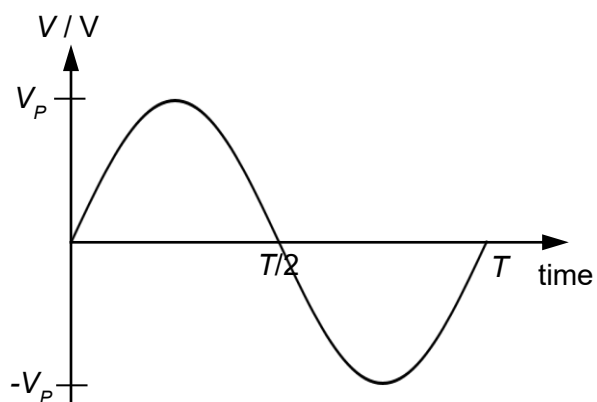


Fig. (a)

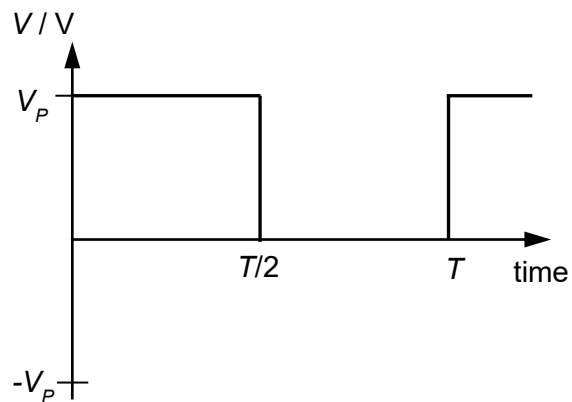


Fig. (b)

What is the ratio of $\frac{\text{root-mean-square potential difference for (a)}}{\text{root-mean-square potential difference for (b)}}$?

A 0.5

B 0.7

C 1

D 1.4