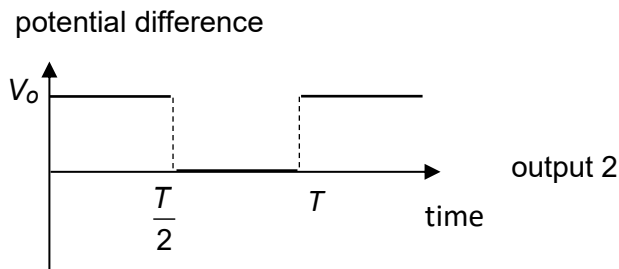
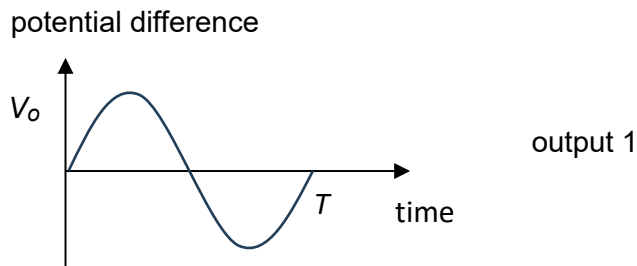


28 The outputs from the two sources are shown in the graphs below.



What is the ratio of  $\frac{\text{root mean squared voltage from output 1}}{\text{root mean squared voltage from output 2}}$ ?

**A** 0.50

**B** 0.71

**C** 1

**D** 2

29 Which of the following explains why there are no X-ray frequencies in the line spectrum of