

**TRINITY HOME COLLEGE**  
**SABO OJOO, IBADAN**  
**2nd C.A 2019/2020 SESSION**

**SUBJECT: MATHEMATICS**

**DURATION: 40 minutes**

**CLASS: J.S.S 3**

**INSTRUCTION: ANSWER ALL QUESTIONS**

1. Solve simultaneously;

$$\begin{aligned}m + 2n &= 2 \\ 4m + 2n &= 3\end{aligned}$$

2. State with reason(s) which of the following are rational or irrational numbers;

(i)  $\sqrt{225}$

(ii)  $\sqrt{94}$

(iii)  $\frac{11}{44}$

(iv)  $\frac{1}{\sqrt{2}}$

3. Solve the simultaneous equations;

$$\begin{aligned}\frac{1}{x} + \frac{1}{y} &= 5 \\ \frac{1}{y} - \frac{1}{x} &= 1\end{aligned}$$