

**Mathematics**

*June*

**EXAM PAPERS**

# Mathematics Grade 10 Memo For June Exam

**H Kauffman**



## Mathematics Grade 10 Memo For June Exam:

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lialh oc ch<sub>3</sub> 3 h 4 benzaldehyde c<sub>6</sub>h<sub>5</sub>cho ch<sub>2</sub>ohch<sub>2</sub>oh h step 1 toluene oxidation with kmno<sub>4</sub> kmno<sub>4</sub> is a strong oxidising agent which oxidise toluene to benzaldehyde in 1st step

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$$\text{MnO}_4^- + 7\text{H}^+ + 5\text{e}^- \rightarrow \text{Mn}^{2+} + 4\text{H}_2\text{O}$$
$$\text{MnO}_4^- + 4\text{H}^+ + 3\text{e}^- \rightarrow \text{MnO}_2 + 2\text{H}_2\text{O}$$
$$\text{MnO}_4^- + 2\text{H}_2\text{O} + 3\text{e}^- \rightarrow \text{MnO}_2 + 4\text{OH}^-$$
  
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