

- Complete the following table. (en = ethylenediamine =  $\text{NH}_2\text{CH}_2\text{CH}_2\text{NH}_2$ )

**Marks**  
**9**

Formula	$\text{K}_2[\text{CoCl}_4]$	$\text{Na}_3[\text{FeBr}(\text{CN})_5]$	$[\text{Zn}(\text{en})_2(\text{NO}_3)_2]$
Oxidation state of transition metal ion			
Coordination number of transition metal ion			
Number of <i>d</i> -electrons in the transition metal ion			
Charge of the complex ion			
Geometry of the complex ion			
List all the ligand donor atoms			

**THE REMAINDER OF THIS PAGE IS FOR ROUGH WORKING ONLY.**