

**Marks**  
**4**

- Solutions of lead(II) nitrate (0.080 M, 60 mL) and potassium iodide (0.080 M, 40 mL) are mixed. What amount (in mol) of  $\text{PbI}_2(\text{s})$  precipitates?

Answer:

What is the final concentration of  $\text{K}^+(\text{aq})$  ions remaining in solution after the reaction?

Answer:

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