# Surds

## Section A

Simplify each of the following by writing as products of whole numbers and surds:

1)  $\sqrt{8}$ 

Section B

- 2)  $\sqrt{50}$
- 4)  $\sqrt{45}$ 

  - 7)  $\sqrt{18}$

- 8)  $\sqrt{24}$
- 5)  $\sqrt{12}$

- - 1)  $\sqrt{2} \times \sqrt{3}$
  - 4)  $\sqrt{2} \times \sqrt{8}$
  - 7)  $2\sqrt{3} \times 4\sqrt{3}$ 
    - 10)  $5\sqrt{6} \times 2\sqrt{6}$

8)  $4\sqrt{5} \times 2\sqrt{5}$ 11)  $2\sqrt{3} \times 6\sqrt{3}$ 

2)  $\sqrt{5} \times \sqrt{3}$ 

5)  $\sqrt{7} \times \sqrt{7}$ 

- - 9)  $4\sqrt{2} \times \sqrt{2}$

12)  $(5\sqrt{2})^2$ 

- 3)  $\sqrt{2} \times \sqrt{7}$ 6)  $\sqrt{5} \times \sqrt{5}$

- 9)  $\sqrt{48}$
- 6) √200

3) √20

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**Yi-Tong Ma** 

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