

Name: \_\_\_\_\_  
**YEAR 11 MINI-ASSESSMENT 13**  
**FOUNDATION – ESTIMATION**

1. (a) Round 959540 to the nearest thousand
- (b) Round 44.692 to 2 decimal places
- (c) Round 593.44 to 1 significant figure
- (d) Estimate the value of  $\sqrt{40}$

**[4 marks]**

2. Ian organised a concert for charity.  
He charged £29.95 for the tickets.  
He managed to sell 791 tickets for the concert.  
He had to pay out £11,000 in costs.  
He gave the profit to the charity.
- (a) Estimate the amount he gave to the charity.

(3)

- (b) Is his estimate an under or over-estimate?  
You must explain your reasoning.

(1)

**[4 marks]**

3. (a) An angle, A is measured as  $80^\circ$  to the nearest degree.  
Complete this statement to show the range of possible values for A.

$$\text{_____} \leq A < \text{_____}$$

(2)

- (b) **Estimate** the value of the calculation  $\frac{561 \times 19.73^2}{3.75 \times 0.00183}$

(3)

**[5 marks]**