

1 Solve the following equations by trial & improvement to **1 dp**.

- (i) $x^2 = 12$
- (ii) $x^2 = 30$
- (iii) $x^2 = 200$
- (iv) $x^2 = 1000$
- (v) $x^2 = 8$

2 Solve the following equations by trial & improvement to **2 dp**.

- (i) $x^2 = 20$
- (ii) $x^2 = 60$
- (iii) $x^2 = 5$
- (iv) $x^2 = 120$
- (v) $x^2 = 700$

3 Solve the following equations by trial & improvement to **1 dp**.

- (i) $x^2 + x = 35$
- (ii) $x^2 + x = 70$
- (iii) $x^2 - x = 5$
- (iv) $x^2 - x = 120$
- (v) $x^2 + 2x = 52$

4 Solve the following equations by trial & improvement to **1 dp**.

- (i) $x^3 = 10$
- (ii) $x^3 = 35$
- (iii) $x^3 = 60$
- (iv) $x^3 = 100$
- (v) $x^3 = 1150$

5 Solve the following equations by trial & improvement to **2 dp**.

- (i) $x^2 = 15$
- (ii) $x^2 + x = 40$
- (iii) $x^3 = 4$
- (iv) $x^2 + 2x = 40$
- (v) $x^3 + x^2 = 70$