

LINEAR EQUATIONS

[ESTIMATED TIME: 60 minutes]

GCSE

(+ IGCSE) EXAM QUESTION PRACTICE

1.

[2 marks]

Solve $3x + 4 = 17$

2.

[2 marks]

Solve $7 - 4x = 10$

Show clear algebraic working.

3.

[2 marks]

Solve $13 - 2x = 6$

4.**[2 marks]**

Solve $5(x + 3) = 30$

5.**[3 marks]**

Solve $4(x - 1) = 18$

Show clear algebraic working.

6.**[3 marks]**

Solve $6(3y + 5) = 39$

7.**[3 marks]**

Solve $6y - 9 = 3y + 7$

Show clear algebraic working.

8.**[3 marks]**

Solve $6x + 13 = 2x + 7$

9.**[3 marks]**

Solve $3m + 5 = 7m + 3$

10.**[3 marks]**

Solve $2x - 1 = 5x - 3$

Show clear algebraic working.

11.**[3 marks]**

Solve $7x - 2 = 1 - 3x$

12.**[3 marks]**

Solve $3x + 16 = 1 - 2x$

13.**[3 marks]**

Solve $4(x - 3) = 7x - 10$

Show clear algebraic working.

14.**[3 marks]**

Solve $8p - 18 = 3(p + 3)$

15.**[3 marks]**

Solve $5(x + 2) = 3(x - 4)$

16.**[3 marks]**

Solve $3(2x + 5) = 4 - x$

Show clear algebraic working.

17.**[3 marks]**

Solve $4(5y - 1) = 3(6y + 7)$

18.**[2 marks]**

Solve $\frac{x}{5} - 2 = 4$

19.**[2 marks]**

Solve $\frac{x+5}{2} = 7$

20.**[3 marks]**

Solve $\frac{5x+4}{2} = 3$

Show clear algebraic working.

21.**[3 marks]**

Solve $\frac{10-5x}{3} = 2$

22.**[3 marks]**

Solve $\frac{12-x}{3} = 7$

23.**[3 marks]**

Solve $x = \frac{7-2x}{3}$

24.**[3 marks]**

Solve $\frac{7-2y}{4} = 2y+3$

Show clear algebraic working.