

PLOTTING STRAIGHT GRAPHS

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

1. $y = x + 1$

2. $y = 2x + 1$

3. $y = 3x + 1$

4. $y = x + 2$

5. $y = 2x + 2$

6. $y = 3x + 2$

7. $y = x - 1$

8. $y = 2x - 1$

9. $y = 3x - 1$

10. $y = -x + 1$

11. $y = -2x + 1$

12. $y = -3x + 1$

13. $y = -x + 2$

14. $y = -2x + 2$

15. $y = -3x + 2$

16. $y = -x - 1$

17. $y = -2x - 1$

18. $y = -3x - 1$

19. $y = 0x + 3$

20. $y = 2x + 0$

MASTER QUESTIONS



M1. A line has a gradient of 2 and passes through the point (0, 3). Write its equation.

M2. The cost C in pounds of hiring a bike for d days is £10 plus £5 per day. Write the equation for C in terms of d .

- M3.** A car travels at a constant speed of 60 km/h. Write an equation for the distance s in kilometres against time t in hours.
- M4.** The temperature decreases by 2 degrees every hour. If at $t=0$ hours it is 20 degrees, write the equation for temperature T against time t .
- M5.** A straight line passes through the points $(1, 2)$ and $(3, 4)$. Find its equation.