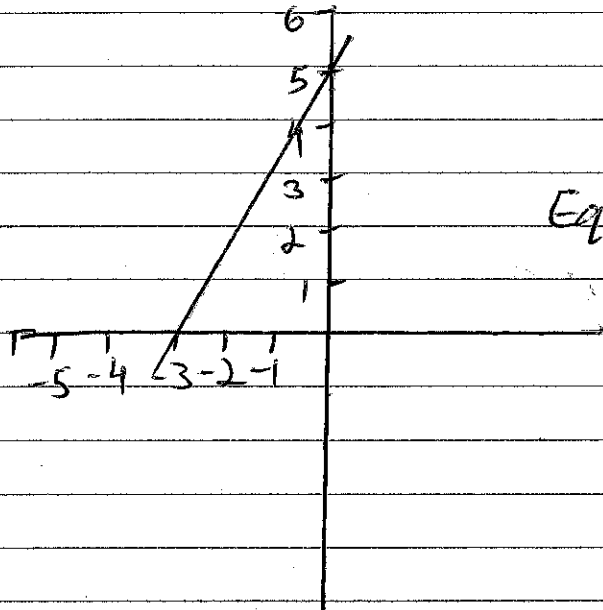


Algebra Revision

1. 1, 4, 9, —, —

2. $n-4, n-3, n-2, —, —$

3.



y intercept =
gradient =

Equation of a straight
line =

4. $7p + 6a + 2p + 5a$

5. $11m^2 - 3r + 2m^2 - 4r$

6. $4b^2 \times 8b^3 =$

11. $\frac{2e}{6} + \frac{3e}{5}$

7. $d \times d \times d \times d =$

Expand

8. $\frac{40a^8}{4a^3}$

12. $5(3f+4)$

9. $(5k^2)^4$

13. $3(2x-5) - 2(x+8)$

10. $\frac{-9g^7 \cdot 6g^2}{3g^5}$

14. $(x+7)(x-2)$

Factorise

15. $4y - 10$

16. $6x^5y^4 - 20x^3y^6$

17. $x^2 + 8x + 15$

18. $2x^2 + 7x - 4 = 0$

Solve

19. $J + \underline{\quad} = 12$

20. $3x + 10 = 37$

21. $\frac{k}{5} - 2 = 8$

22. $(x - 5)(x + 7) = 0$

23. $8f + 7 = 3f - 4$

24. Sally is an insurance policy broker. When she sells a policy, she is paid \$600 fee plus a commission of 1.5% of the sale price of the policy.

Write an equation to represent what Sally will earn if she sells a policy.

Use $E = \text{Earnings}$ and $S = \text{Sale price of the policy}$

25. Use your equation to calculate what Sally will earn if she sells a ~~house~~ ~~for~~ a policy for \$1500.