

JAWAPAN KERTAS 1 SET 3:

1. (a) 5,7 (b) 1, 5
2. (a) $\frac{2}{3}$ (b) $\frac{7+2x}{3x}, x \neq 0$
3. (a) $x^2 + 5$ (b) 9
4. (a) $2x^2 - 10x - 1 = 0$ (b) $-\frac{1}{2}$ (c) two different roots
5. $a = -2, b = -4, c = 6$
6. $1 < y < 4$
7. (a) $k = 3$ (b) $n = 0$ (c) $x = -3$
8. $k = \frac{1}{p+1}$
9. (3, 10)
10. $k = 25$
11. (a) $a - 1$ (b) $\frac{2}{b} + a$
12. (a) 12 (b) 3.742
13. (a) 23.40 (b) 123.7
14. (a) 8, 16, 2, $d = 8$ (b) 40
15. 735
16. (a) $r = 7$ (b) $n = 6$
17. $y = -x - 6$
18. (a) $\binom{7+k}{5}$ (b) $k = 5$
19. $h = 12, k = -2$
20. (a) 210 (b) 301
21. $\frac{5}{9}$