

**MARKING SCHEME SQP-2
MATHEMATICS (STANDARD)
2020-21
CLASS X**

- 1.non-terminating non-repeating OR 17
2. 1
3. -10
4. no solution
5. no ,its cubic polynomial1 OR $x = -1/2$, $x = 2/3$
6. 2,3,4
7. $5n-3$ OR -955
- 8.3
- 9.7or -1 OR 5
- 10.similar but not congruent OR OQ is the radius draw a circle and angle in semicircle.
11. 90
12. 15cm
13. 65cm
14. $1/2$
15. $(x^2-1)/2x$
16. $\cos 2\beta$
17. (a) ii (b)iv (c) i(d)ii(e)
18. (a) ii (b)ii (c) i(d)i(e) iv
19. (a) i (b)i (c) ii(d)ii(e) i
- 20.(a) i (b)ii (c) i(d)iii(e) ii
21. $(a-b)/6, (a+b)/6$
22. $3RX^2$ OR proof
23. $\sqrt{3} - 1$ OR proof
- 24.60
25. $11/13$
- 26.34.29
27. $x = 49/29$, $y = 19/29$ OR $x=1/4, 1/4$
28. 34th term OR n^2
29. P=6
- 30.k=5 or k=1
31. 1.6m
32. 14cm^2
33. Proof
34. 2.38 m^2
35. Proof
36. 4kmph , 10kmph OR 20kmph