

**MARKING SCHEME SQP-4  
MATHEMATICS (STANDARD)  
2020-21  
CLASS X**

1. 8 OR 5
2. 1440
3.  $x^2 + 6x + 5 = 0$
4. intersect
5. not quadratic highest power is 3 OR  $x = 7$  or  $-3$
6.  $-1$
7. 6 OR 181
8. 4
9.  $(16/5, -11/5)$  4<sup>th</sup> quadrant or  $\sqrt{13}$
10. 10cm OR 100
11. 9
12.  $10\sqrt{2}$  cm
13.  $x=2$
14. 39
15.  $1/2$
16.  $\frac{\sqrt{3}}{2}$
17. (a) iv (b)i (c) iv(d)iii (e) iv
18. (a) iii (b)iv (c) i (d)iv(e) iv
19. (a) iii (b)i (c) ii(d)i(e) iv
- 20.(a) i (b)i (c) ii(d)iv (e) i
21. 9 and 11
22. Proof OR proof
23. 45 OR  $1/\sqrt{4-2\sqrt{2}}$
- 24.no  $172/5$
25. 14
26. 35
27. $x=1.2, y = 2.1$  OR  $x=6, y =8$
28. 25 OR 1661
29.  $X = -2$
30.  $K = -4$
31. Proof
32. 60cm
33. Proof
34.  $28.5 \text{ cm}^2, 285.5\text{cm}^2$
35. Mean=34 median = 137 mode = 137.76 mean>median>mode
36. 12cm OR 2.5m