

Mathematics (Standard)

SET - 3

30/2/3

Section - A

1. a) 60° b) $\angle BAY=50^\circ$ & $\angle AOB=100^\circ$
2. $x=5$
3. a) 0 b) 3,4,5. . .
4. $\sqrt{2}$, $-3\sqrt{2}$
5. -320
6. 3

Section B

7. a) 16 b) 13.9
8. $8(\sqrt{3}+1)$ m
9. 144.167 cm
10. Construction

Section C

11. a) 64 b) 18 and ± 12
12. To Prove

Section D

13. 1) 100 m, $40\sqrt{3}$ m 2) $20\sqrt{37}$ m
14. 1) 1650 m^2 2) 336000 Rs

Mathematics (Standard)

SET - 2

30/2/2

Section - A

1. 3
2. a) 60° b) $\angle BAY=50^\circ$ & $\angle AOB=100^\circ$
3. a) 13 b) $a=-1$, $b=15$
4. -320
5. $(a+b)$ & $(a-b)$
6. $x=5$

Section - B

7. 144.167 cm
8. a) 16 b) 13.9
9. $100\sqrt{3}$ m
10. Construction

Section - C

11. a) 16 & 18 OR 23 & 11 b) 10cm, 24 cm, 26 cm
12. $\frac{20}{3}$ cm

Section D

13. 1) 100 m, $40\sqrt{3}$ m 2) $20\sqrt{37}$ m
14. 1) 1650 m^2 2) 336000 Rs

Mathematics (Standard)

SET - 1

30/2/1

Section - A

1. $\sqrt{2}$, $-3\sqrt{2}$
2. a) 13 b) $a=-1$, $b=15$
3. 3
4. a) 60° b) $\angle BAY=50^\circ$ & $\angle AOB=100^\circ$
5. $x=5$
6. -320

Section - B

7. Construction
8. $50(\sqrt{3}+1)$ m
9. a) 16 b) 13.9
10. 144.167 cm

Section - c

11. $20/3$ cm
12. a) 64 b) 18 and ± 12

Section - D

13. 1) 100 m, $40\sqrt{3}$ m 2) $20\sqrt{37}$ m
14. 1) 1650 m^2 2) 336000 Rs