



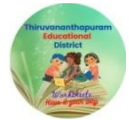
THIRUVANANTHAPURAM EDUCATIONAL DISTRICT

MATHEMATICS

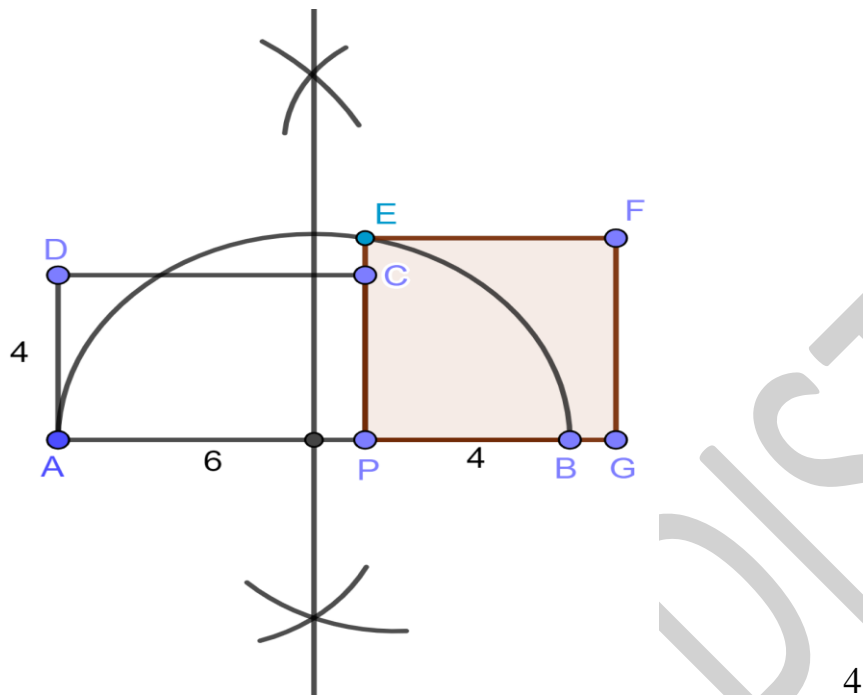
Answer Key

STD: X

-
1. a) 4 1
b) 63 1
2. a) $\angle BCD = 110^\circ$ 1
b) $\angle BOD = 140^\circ$ 1
3. a) 2,5,10, 1
b) 101 1
c) n^2+1 1
4. a) $\angle ADB = 90^\circ$ 1
b) $\angle ACB = 110^\circ$ 1
c) $\angle AEB = 70^\circ$ 1
5. a) $d = 7$ 1
b) $x_1 = 3$ 1
c) $x_n = 7n - 4$ 1



6.



7. a) 820

1

b) 1640

1

c) 2460

1

d) 2540

1

8. a) 2

1

b) Is a term

1

c) Yes, multiple of common difference

2

9. a) 80

1

b) 80

1

c) $x_{16} = 40$

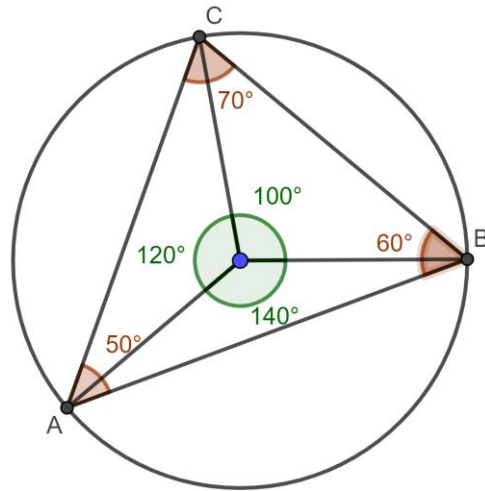
1

d) $S_{31} = 31 \times 40 = 1240$

2



10.



5

11. a) 102

1

b) 997

1

c) 102, 107, 112,

1

d) 180

2

TVM EDL DIST