

Pre-Mid Term Tests

Chapters Covered 1-5

ANSWER KEY

Test 1

Maximum marks 10

1. (c)
2. (a)
3. No solution
4. $k = 3$
5. 1, 6, 11
6. $x = 4, y = 9$
8. $k = -2$
10. 150 cm^2

Test 2

Maximum marks 10

1. 12
2. $\frac{b}{a}$
3. $k = -\frac{9}{4}$
4. 153
6. $x^2 - \frac{16}{3}x + \frac{16}{3}$
7. (2, 4)
8. No real roots
9. $a + b, \frac{a+b}{2}$
10. 551, 20704, 49824.

Mid Term Tests

Chapters Covered 1-10

ANSWER KEY

Test 1

Maximum marks 10

1. Composite number.
2. 6 cm.
3. 2
4. 90°
6. $k = 0$
7. (3, 2)
8. 59
10. $r = 2$ cm.

Test 2

Maximum marks 10

1. No
2. $\frac{3}{2}, \frac{3}{2}$
3. not parallel.
4. $\frac{-1}{3}$
5. $P = 3$
6. -24
7. 100°
8. 2 : 3
9. 12 m

Post-Mid Term Tests

Chapters Covered 1-15

ANSWER KEY

Test 1

Maximum marks 10

1. $3 : 1 : 2$
2. 36 cm^2
3. $24x - 2y = 19$
4. $k = 0$
5. $a = 3$ and $b = -6$
8. $x = 22$
9. $x = -2, y = 5, m = -1$

Test 2

Maximum marks 10

1. 0
2. $\frac{1}{3}$
3. $x = -63$
4. -1
5. $x = 2, y = 3$
6. $15x - 14$
7. $6 = 18x + 48y$ where $x = 51, y = -19$
8. 128 cm^2
9. 115 or 5
10. 163 cm .

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