Part 01

wKª‡qwUf †KvwPs †m›Uvi

eûwbev©Pbx IqvK©kxU

Aa¨vqt 8

1. **x + y = 6 Ges x − y = 4 n‡j, 4xy Gi gvb KZ?**

K 5 L 13 M 20 N 52 ⬤

1. **x2 – 2 Gi mv‡\_ wb‡Pi †KvbwU †hvM Ki‡j †hvMdj c~Y©eM© n‡e?**

K y2 L 3 M 2x N ⬤

1. **a + = 5 n‡j, = KZ?**

K L M N 2 ⬤

1. **hw` x + y = 3 Ges x – y = 1 nq, Z‡e x2 + y2 = ?**

K 5 L 3 M 2 N 1 ⬤

1. **hw` x + = 2 nq, Z‡e x4 − ?**

K 0 L 2 M 14 N 16 ⬤

1. **– 2x – y Gi eM©Ñ**

K 4x2 + 2xy + y2 L 4x2 – 2xy – y2

M – 4x2 – 4xy −y2 N 4x2 + 4xy + y2 ⬤

1. **= 12 n‡j, a2 + Gi gvb KZ?**

K 2 L 3 M N 1 ⬤



K 2 L 3 M 5 N 7 ⬤

1. **a + b = 12 Ges ab = 27 n‡j, (a −b) Gi gvb KZ?**

K 4 L 6 M 8 N 12 ⬤

1. **(x + 4) (x − 4) = KZ?**

K x2 + 16 L x2 − 16 M x2 + 64 N x2 + 81 ⬤

1. **(− a − b) Gi e‡M©i gvb wb‡Pi †KvbwU?**

K a2 + 2ab + b2 L a2 − 2ab + b2

M − a2 + 2ab − b2 N a2 − 2ab − b2 ⬤

1. **x = 3 − n‡j x2 + Gi gvb KZ?**

K 7 L 9 M 11 N 13 ⬤

1. **(x − y)2 =0, xy = 4 n‡j, (x + y)2 = KZ?**

K 0 L 2 M 6 N 16 ⬤

1. **{(a + b)2 − (a – b)2} = KZ?**

K 4ab L 2ab M ab N ab ⬤

1. **x = –3 n‡j, (x + 3) (x2 – 3x + 9) Gi gvb wb‡Pi †KvbwU?**

K 3 L 9 M 16 N 0 ⬤

1. **a2 – b2 = 5/2, a + b = n‡j, a – b = KZ?**

K 3 L 4 M 5 N 6 ⬤

1. **n‡j, Gi gvb KZ?**

K 29 L 30 M 32 N 36 ⬤

1. **x = 7 n‡j, x2 + 6x2 + 12x + 1 Gi gvb KZ?**

K 242 L 422 M 622 N 722 ⬤

1. **4ab + a2 Gi mv‡\_ KZ †hvM Ki‡j †hvMdj c~Y©eM© n‡e?**

K b2 L −4b2 M −4ab N 4ab ⬤

1. **9a2 + 12ab + 2b2 Gi mv‡\_ KZ †hvM Ki‡j c~Y©eM© msL¨v n‡e?**

K 2a2 L a2 + b2 M 2b2 N 4ab ⬤

1. **a2 + b2 Gi Abywm×všÍ wb‡Pi †KvbwU mwVK?**

K (a + b)2 − 4ab L (a − b)2 + 4ab

M − N −− ⬤

1. **− x − 2y Gi eM© †KvbwU?**

K − x2 + 4xy + 4y2 L x2 + 4xy + 4y2

M x2 − 4xy + 4y2 N − x2 + 4xy − 4y2 ⬤

1. **x − = 4 n‡j x2 + Gi gvb KZ?**

K 0 L 18 M 20 N 22 ⬤

1. **a Ges a Gi ¸YvZ¥K wecixZ ivwki †hvMdj n‡j wb‡Pi †KvbwU mwVK?**

K a + (−a) = L a − =

M a2 + a = N a2 + 1 = a ⬤

1. **a + b = I a − b = n‡j a2 + b2 Gi gvb KZ?** [

K 12 L 6 M N ⬤

1. **(x − y)2 = 0 Ges xy = 4 n‡j, x + y Gi gvb KZ?**

K 3 L 4 M 7 N 16 ⬤

1. **a + b = 10 Ges a − b = 6 n‡j a2 − b2 Gi gvb KZ?**

K 60 L 68 M 77 N 99 ⬤

1. **x − = 4 n‡j, Gi gvb wb‡Pi †KvbwU?**

K 16 L 20 M 22 N 24 ⬤

1. **2x − 5 Gi eM© wb‡Pi †KvbwU?**

K 4x2 + 20x + 25 L 4x2 − 20x + 25

M 4x2 + 20x + 24 N 4x2 − 25 ⬤

1. **a + b = 12 Ges ab = 27 n‡j, a − b Gi gvb KZ?**

K 6 L 12 M 4 N 8 ⬤

1. **25 Gi eM© †KvbwU?**

K 525 L 625 M 655 N 675 ⬤

1. **a + b = Ges a − b = n‡j, a2 − b2 Gi gvb †KvbwU?**

K L M 6 N 5 ⬤

1. **(a − b + c) Gi eM© wb‡Pi †KvbwU?**

K a2 + b2 + c2 + 2ab + 2bc + 2ca

L a2 − b2 + c2 + 2ab − 2bc − 2ca

M a2 − b2 + c2 − 2ab − 2bc + 2ca

N a2 + b2 + c2 − 2ab − 2bc + 2ca ⬤

1. **a = n‡j (2a + 1) (4a2 − 2a + 1) Gi gvb wb‡Pi †KvbwU?**

K 0 L 1 M 2 N 3 ⬤

1. **a + b = 3, a − b = 5 n‡j, a2 − b2 = KZ?**

K 4 L 1 M 8 N 15 ⬤