**Teacher Name: Ambreen Badar Class: 8 Subject: Mathematics Date: 2nd Nov’ 2019**

**Topic: Expansion And Factorisation of Algebraic Expressions**

**Q1: Expand each of the following.**

1. 4(2a – 3b) – (3a – 7b)
2. (4x – 3y)2
3. (3a – 5b) (3a + 5b)
4. (2x + 3)2
5. 3( x + 4) + 4 (8 + 2x)
6. (4x2 + 5x – 9 ) (x – 5)
7. (2b + 1) (b + 1)
8. (2a – 5b)2
9. (7 – c) (5c2 – 2c + 1)

**Q2: Factorise the following.**

1. x2 – 16y2
2. b2 – $\frac{9}{16} $y2
3. 2x2 – 8x – 24
4. p2q – pqr – 2qr + 2r2
5. y2 – 8y + 16
6. 3mk + 3mn + 4pk + 4pn
7. 8x2 + 26xy + 15 y2
8. 8ab + 4ay + 4bx + 2xy
9. (t – 1)2 – 9
10. 9p2 – 4(p – 2q)2
11. 4m2 – (n – 2m)2
12. 9p2 – 4(p – 2q)2