Teacher Name: Ambreen Badar Class: 8 Subject: Mathematics

**Topic: Factorisation of Algebraic Expression**

Q1: Encircle the correct answer;

1. Factorise 4x2 – 16 y2 completely.
2. 4(x – 2y) (x + 2y)
3. 2(x – 2y) (x + 2y)
4. 4(2x – 4y) (2x + 4y)
5. Expanded form of x(3x + 5y) is
6. 3x2 + 5xy
7. 5x2 + 3xy
8. 3x + 5xy
9. Factorise x2 – 36
10. (x + 6) (x - 6)
11. (x - 6) (x - 6)
12. (x + 6) (x + 6)

Q2: Factorise:

1. 15 – 20p iii) 4y2 – 9

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1. 8x2  + 26xy + 15y2 iv) 8ab + 4ay + 4bx + 2xy

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Q3: Factorise:

1. 9 – (a - b)2  iii) 25p2 + 10p + 1

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1. 5(m – 2n) – (m -2n)2 iv) (a + 3b) (a – 3b) – (a + 3b) (a - b)

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Q4: Factorise the following algebraic expressions:

1. y2 – 8y + 16 iii) 3sq + 3sp + 2tp + 2tq

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1. p2q – pqr – 2pr + 2r2 iv) 2x2 – 8x -24

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