

BCM SCHOOL, BASANT AVENUE, DUGRI, LUDHIANA.
ANSWER KEY DECEMBER ASSIGNMENT
CLASS- VIII (MATHEMATICS)
TOPICS: UNDERSTANDING QUADRILATERALS, FACTORISATION &
INTRODUCTION TO GRAPHS

SECTION –A (MULTIPLE CHOICE QUESTIONS)

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|----|-----------------------------|
| 1. | b) (+, -) |
| 2. | b) 36° |
| 3. | d) A is false but R is true |

SECTION – B(2 MARKS QUESTIONS)

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|----|---|
| 4. | $75^\circ, 105^\circ, 75^\circ, 105^\circ$ |
| 5. | $\{5(x + y)\}^2 - \{6(x - 2y)\}^2$
$(11x - 7y) (17y - x)$ |

SECTION – C (3 MARKS QUESTIONS)

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|----|---|
| 6. | Perimeter = $2 (4x + 3x) = 14x$ |
| 7. | $15x^2 - 20x - 6x + 8$
$(3x - 4) (5x - 2)$ |

SECTION – D (5 MARKS QUESTIONS)

- | 8. | $S.I. = (P \times R \times T) \div 100$ | | | | | | | | | | | |
|----------|--|----------|----|----|----|---|---|------|---|----|----|----|
| | $S.I. = (100 \times 5 \times T) \div 100 = 5T$ | | | | | | | | | | | |
| | <table border="1" style="width: 100%;"> <tr> <th>Year (T)</th> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> </tr> <tr> <th>S.I.</th> <td>5</td> <td>10</td> <td>15</td> <td>20</td> <td>25</td> </tr> </table> | Year (T) | 1 | 2 | 3 | 4 | 5 | S.I. | 5 | 10 | 15 | 20 |
| Year (T) | 1 | 2 | 3 | 4 | 5 | | | | | | | |
| S.I. | 5 | 10 | 15 | 20 | 25 | | | | | | | |

Year (T)	1	2	3	4	5
S.I.	5	10	15	20	25

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|----|---------------------------------|
| 9. | $\frac{(x-4)(x+4)}{(x+6)(x+2)}$ |
|----|---------------------------------|