

BCM SCHOOL, BASANT AVENUE, DUGRI ROAD, LUDHIANA

CLASS: VIII (2023-2024)

SUBJECT: MATHEMATICS (041)

CHAPTER: ALGEBRAIC EXPRESSIONS AND IDENTITIES

ANSWER KEY OF ASSIGNMENT

Q.5 Squaring both sides

$$(x + y)^2 = 15^2$$

$$x^2 + y^2 + 2xy = 225$$

$$x^2 + y^2 + 2(16) = 225$$

$$x^2 + y^2 + 32 = 225$$

$$x^2 + y^2 = 225 - 32$$

$$x^2 + y^2 = 193$$

Q.6  $(8 + 0.3)(8 - 0.3)$

Q. 8 Case Study

i)  $(x^2 - y^2)(x - y)$

ii)  $(x + y) + (3x - 4y)$

iii) Put  $x = 5$  and  $y = -3$  in part (i).