Name: _____ Sec: _____ House: _____

Topic: **Algebraic Expressions. Exercise No.4A**

Q.No1.Write down an algebraic expression for each of the following statements.

i. Add 5y to the product of a and b

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ii. Subtract 3 from the cube of f

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iii. Multiply k by 6q

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iv. Divide 2w by 3xy

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v. Subtract 4 times the positive square root z from thrice of x

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vi. Twice the variable p divided by the product of 5 and q

Q.No2.Given that x = 6 and y =−4, evaluate each of the following expressions.

i. $4x - 7y$

ii. $\frac{5x}{3y} + x$

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Topic: **Algebraic Expressions. Exercise No.4A**

Q.No4. Simplify each of the following expressions.

Key points.

I.   Arrange the algebraic expression according to alike (same) terms.
II.   Add or subtract the alike terms.
   a) If both values have same signs then we write given sign and add the values.
   b) If both have different signs then we write the sign of greater value and subtract the values.

i. $5x + 22 - 6x - 23$

iii. $6xy + 13x - 2yx - 5x$

ii. $x + 3y + 6x + 4y$

iv. $6x - 20y + 7z - 8x + 25y - 11z$