



The National
Orthodox School
Shmaisani

Name: _____ Worksheet(2) _____ Grade:8(A, B)

Subject : Factorisation (by taking the highest common factor)

Date : _____

EXERCISE (1):

Find the H.C.F of each of the following:

1 $12a, 16ab$

2 $8a, 12b$

3 $10x^6 y^3, 45x y^7$

4 $12d^2 w^2 r^5, 4w^3 d^{10}$

5 $n^3 s^5 r^5, 6ns^3 r^7$

6 $5k^8 w^3 h^2, 11k^2 h^4$

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EXERCISE (2):

factorise each of the following algebraic expressions :

7 $6r^2 - 10r$

8 $ab^2 - 2ab$

9 $12n^2 m - 8nm^3$

10 $15wx - 10wy^2$

11 $4t^2 + 2t - 12tu$

12 $12p + 24q - 6$

Teacher : Wisam Al - mashni