

U1L3 - Factoring Quiz (FORMATIVE - part of Asynch 1) K ____/18

Factor by grouping.**K/2**

1) $12x^3 + 15x^2 + 4x + 5$

2) $20n^3 - 25n^2 + 16n - 20$

Factor each Difference of Squares completely. (Don't forget to check for common factors!) K/2

3) $20v^2 - 45$

4) $9p^2 - 25$

Factor each Perfect Square completely.**K/2**

5) $4p^2 - 20p + 25$

6) $25r^2 - 30r + 9$

Factor each completely. Note - check for common factors!

K/4

7) $4x^2 + 24x - 64$

8) $n^4 + 15n^3 + 54n^2$

Factor each completely. Note - there are no common factors here.

K/8

9) $2n^2 + 9n + 9$

10) $7x^2 + 22x + 3$

11) $6n^2 - n - 2$

12) $9r^2 + 22r + 8$