Today we learned how to divide polynomials using long division. Below are the notes and practice problems completed in class. As well as the homework assignment.

 $(8n^3 - 12n^2 + 3n + 1) \div (n - 1)$ 9m2+0m+0-9/m+2 n-1/8n3-12n2+3nt - 8n3 + 8n2 $9m^{3}+72m^{2}+0m-9$ $-9m^{3}+72m^{2}$ 9m³ m+8 Orptom ~ |n+ | + In+ - Om tom Om 8n - 0m +0 -9 ,12 HW 2,3,13,15 Stor 1 .

Algebra 2

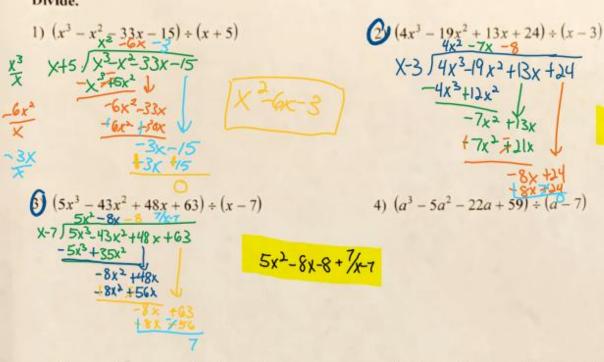
Name

Date

Period

4x2-7x-8

Polynomial Division: Long Division Divide.



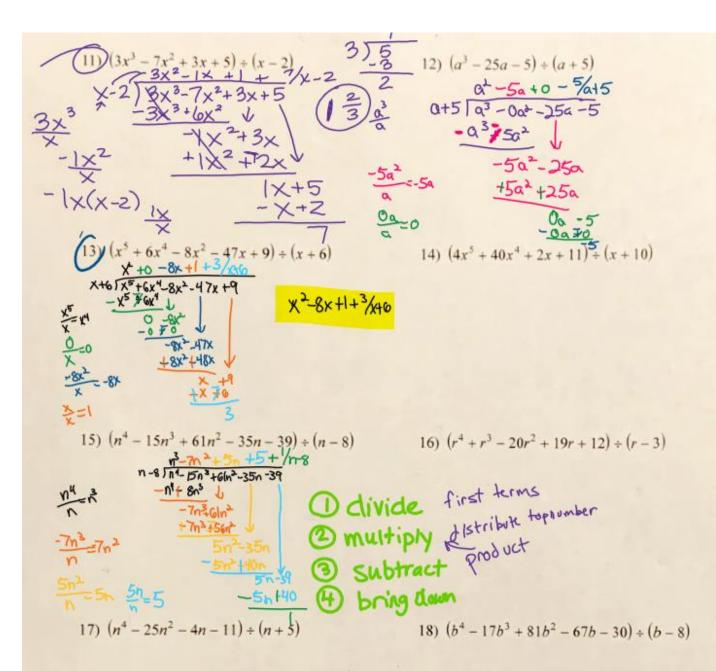
5)
$$(x^3 + 12x^2 + 26x + 66) \div (x + 10)$$

6) $(4a^3 - 15a^2 + 20a - 4) \div (a - 2)$

7)
$$(p^{3} - 10p^{2} + 28p - 33) \div (p - 6)$$

8) $(r^{3} + r^{2} - 3r + 1) \div (r + 3)$
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19)
$$(5x^4 - 49x^3 + 81x^2 - 79x + 63) \div (x - 8)$$
 20) $(k^4 + 2k^3 - 4k - 18) \div (k + 2)$