

DIVIDING POLYNOMIALS

FIND THE OTHER FACTOR BY DIVISION.

1) $(16p^2 + 16p + 3) \div (4p + 1)$

2) $(6x^2 - 21x + 15) \div (2x - 5)$

3) $(5b^2 + 14b + 8) \div (5b + 4)$

4) $(20r^2 - 19r + 3) \div (5r - 1)$

5) $(2n^2 - 9n + 10) \div (2n - 5)$

6) $(12p^2 - 10p + 2) \div (4p - 2)$

7) $(4m^2 + 18m + 8) \div (4m + 2)$

8) $(2a^2 - 5a - 3) \div (2a + 1)$

9) $(5a^2 - 14a - 3) \div (5a + 1)$

10) $(10p^2 + 22p + 4) \div (5p + 1)$

DIVIDE THE POLYNOMIALS. (REMEMBER TO LOOK FOR REMAINDERS)

11) $(5n^2 - 15n - 18) \div (n - 4)$

12) $(b^2 + 7b + 17) \div (b + 3)$

13) $(6x^2 - 19x + 17) \div (3x - 5)$

14) $(5x^2 - 28x + 20) \div (5x - 3)$

15) $(4m^2 + 18m - 11) \div (4m - 2)$

16) $(4x^3 + 13x^2 + 14x + 9) \div (4x + 5)$

17) $(4x^3 - 5x^2 + 10x + 13) \div (4x + 3)$

18) $(n^3 - n^2 - 14n + 7) \div (n - 4)$

19) $(m^3 - 6m^2 + 7m + 7) \div (m - 3)$

20) $(5x^3 + 15x^2 - 15x - 10) \div (5x - 5)$