Synthetic division

Name _____ Date _____

1. $(2x^3 - 5x^2 - 17x + 20) \div (x - 4) =$ _____

2. $(2x^2 - 3x - 20) \div (x - 4) =$ _____

3. $(x^3 + x^2 - 26x - 20) \div (x - 5) =$ _____

4. $(4x^3 - 6x^2 - 2x - 9) \div (x - 2) =$ _____

5. $(2x^2 + 15x + 25) \div (x + 5) =$ _____

6. $(4x^2 - 2x + 5) \div (x - 1) =$ _____

7. $(2x^3 - 11x^2 + 10x + 15) \div (x - 3) =$ _____

8. $(4x^3 - 3x^2 - 6x + 5) \div (x - 1) =$ _____

9. $(2x^3 - 2x^2 - 28x + 16) \div (x - 4) =$ _____

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10. $(4x^3 - 12x^2 - 18x - 3) \div (x - 4) =$ _____

11. $(4x^3 + 13x^2 + 13x + 1) \div (x + 2) =$ _____

12. $(x^3 - 6x^2 + 7x + 4) \div (x - 4) =$ _____

13. $(2x^2 + 2x - 14) \div (x + 4) =$ _____

14. $(2x^3 - x^2 - 2x - 11) \div (x + 1) =$ _____

15. $(x^2 - x - 18) \div (x - 3) =$ _____

16. $(x^3 + 2x^2 + 5x + 10) \div (x + 2) =$ _____

17. $(x^2 + x + 6) \div (x - 2) =$ _____

18. $(2x^3 + 11x^2 + 12x) \div (x + 4) =$ _____