

Multiplying and Factoring Assignment

Find the product of the following Polynomials

1. $9x(8xy)$

2. $2m(10mn)$

3. $6xz(15yz^2)$

4. $17xy(xy^2z)$

5. $3x(12x + y)$

6. $2x(3 + 14y)$

7. $3ab(10a + 20b - 4)$

8. $10bc(5a + 6b - 2c)$

9. $6(a + 2b - 3c + 4d)$

10. $15x(3x + 2y + 5z - 9)$

Name: _____ Period: _____ Date: _____

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Factor the Following Polynomials

11. $45x + 30$

12. $16x + 20y - 24$

13. $9a - 6b + 3$

14. $40x - 20xy$

15. $13x - 26xy + 39xz$

16. $26x^2 + 14x$

17. $24a^2 - 36ab - 72a$

18. $25vuz - 50u^2z - 100uz$

19. $42abc - 50bc + 30bcd$

20. $75g + 150gh - 225gi$