

Q2 Quiz 1 IN CLASS Review

Factor each problem using the GCF and check by distributing:

1) $90x^{20} - 108x^{17} + 18x^{14}$

2) $80x^7y - 32x^6y^2 + 64x^5y^3 - 112x^4y$

3) $120x^6 - 72x^5 - 24x^4$

4) $80x^5y^6 - 64x^4y^5 + 32x^2y^4 - 48xy^3$

5) $88b^{11} + 56b^{10} - 96b^9 + 24b^8$

6) $72a^9b + 30a^5b^5 - 66ab^9$

Rewrite each of the following expressions as the product of two binomials by factoring out a common binomial factor.

7) $(2x - 3)(4x - 5) + (x + 7)(2x - 3)$

8) $(4x - 1)(7x - 3) - (4x - 1)(7x - 3)$

9) $11(3x + 1) + 4(3x + 1)$

10) $10x(x - 5) - 13(x - 5)$

11) $9(5x - 7) - 2(5x - 7)$

12) $7x(2x + 9) + 4(2x + 9)$