

Quiz on 7-4, 7-5, and 7-6

Date _____ Block _____

Mild Level**7-4 Factoring GCF out of a Polynomial****Factor the greatest common factor out of each expression.**

1) $-6x^3 - 12x - 12$

2) $9x^{10} + 5x^8 + 3x^7 + 8x^6$

7-5 Factoring $x^2 + bx + c$ **Factor each completely.**

3) $x^2 + 14x + 48$

4) $x^2 + 12x + 35$

Medium Level**7-5 Factoring $x^2 + bx + c$** **Factor each completely.**

5) $x^2 - 2x - 63$

6) $x^2 + 4x - 32$

7-6 Factoring $ax^2 + bx + c$ **Factor each completely.**

7) $2n^2 + 12n + 16$

8) $3x^2 - 6x - 45$

Spicy Level

7-6 Factoring $ax^2 + bx + c$
Factor each completely.

9) $6x^2 + 11x + 3$

10) $10x^2 - x - 3$