Pulling Out a Negative: Extra Practice

When the first term is negative, pull out a negative GCF. Divide every term by it, and every sign inside flips. Check by expanding: the signs flip right back.

Name: _____ Date: _____

1. Factor −3x + 12 by pulling out −3

2. Factor −4y − 20 by pulling out −4

3. Factor −10a + 5 by pulling out −5

4. Factor 8 − 2x by pulling out −2

5. Factor −6m + 9n − 3 by pulling out −3

6. Factor −7x − 14 two ways: pull out 7, then pull out −7

7 Which are equivalent to 10 − 5x? A. 5(2 − x) B. −5(x − 2) C. −5(x + 2)

8 Factor −9y + 6 by pulling out −3, then check