Negatives Get a Turn Too: Worked Answers

Each problem solved the way the lesson does it.

Name: _____ Date: _____

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1. Expand 4(x − 6)
   - 4(x + (−6)).
   - 4 × x + 4 × (−6).

   Answer: 4x − 24

2. Expand 3(5y − 2)
   - 3 × 5y + 3 × (−2).

   Answer: 15y − 6

3. Expand −2(x + 9)
   - −2 × x + −2 × 9.

   Answer: −2x − 18

4. Expand −4(3a − 5)
   - −4(3a + (−5)).
   - −4 × 3a + −4 × (−5). Same signs, positive.

   Answer: −12a + 20

5. Expand −(6m − 1)
   - The minus in front is −1: −1(6m + (−1)).

   Answer: −6m + 1

6. Expand −5(−y + 3)
   - −5 × (−1y) + −5 × 3.

   Answer: 5y − 15

7 Expand $-3(2p - 4q + 2)$

- $-3 \times 2p + -3 \times (-4q) + -3 \times 2$.

Answer: $-6p + 12q - 6$

8 Expand $7(2x - 3y)$

- $7 \times 2x + 7 \times (-3y)$.

Answer: $14x - 21y$