What If There's Subtraction or Division?: Worked Answers

Each problem solved the way the lesson does it.

Name: _____ Date: _____

1. Rewrite 8 − 3 as adding the opposite
   - Change minus to plus the opposite.

   Answer: 8 + (−3)

2. Rewrite 5x − 2 as adding the opposite
   - Change minus to plus the opposite.

   Answer: 5x + (−2)

3. Rewrite −(4x − 9), then simplify
   - A minus in front is times negative 1: (−1)(4x + (−9)).
   - Hand it out; every sign inside flips.

   Answer: −4x + 9

4. Rewrite 12 ÷ 3 as times the reciprocal
   - Dividing by 3 is times 1/3.

   Answer: 12 × 1/3

5. Rewrite (10x + 5) ÷ 5, then simplify
   - Dividing by 5 is times 1/5: 1/5(10x + 5). Hand it out.

   Answer: 2x + 1

6. Rewrite x ÷ 2/3 as times the reciprocal
   - Dividing by 2/3 is times its reciprocal, 3/2.

   Answer: x × 3/2

7 Rewrite 7 − 4 − 6 as all addition, then find it

- 7 + (−4) + (−6). Group the debts: (−4) + (−6) = −10, then 7 + (−10).

Answer: 7 + (−4) + (−6) = −3

8 Tidy up: write 8x + (−5) without the plus and parentheses

- Write + (−5) as − 5.

Answer: 8x − 5