MATH 7 · UNIT 4, LESSON 5 · TILE 3 · EXTRA PRACTICE

Fractions Outside the Parentheses: Extra Practice

A fraction outside multiplies every term inside. Divide by the bottom first, then multiply by the top. A negative fraction flips every sign.

Name: _____ Date: _____

1. Expand $\frac{1}{2}(8x + 6)$

2. Expand $\frac{1}{3}(6y - 9)$

3. Expand $\frac{2}{3}(9a + 12)$

4. Expand $\frac{3}{5}(10m - 15)$

5. Expand $-\frac{1}{4}(8x - 12)$

6. Simplify $\frac{1}{2}(4x + 10) + \frac{1}{3}(3x - 6)$

7 Expand $1/2(x + 4)$

8 What value of k makes $6x + k$ and $2(3x - 1.5) + 4$ equivalent?