4-6A Lesson Master

**PROPERTIES** Objective G

In 1 and 2, solve.

1. \(4x - 3 = 4(x - 0.75)\)

2. \(2(8x - 13) = 32(0.5x - 0.5)\)

3. Explain why \(4x - 3 = 4(x - 1)\) has no real solutions.

4. Explain why no real number is a solution to \(3x + 4 < 3x - 4\).

**REPRESENTATIONS** Objective M

In 5–8, solve by letting \(y\) equal each side of the sentence and graphing.

5. \(17x + 13 - 2(7x + 5) < 3(x + 1)\)

6. \(3m + 3 = 3m + 1\)

7. \(1.5(3x + 2) > 10x + 0.5(11x + 9)\)

8. \(2x - 1 = 2(x - 1) + 1\)