Create The Problem

Post a solution on the board and ask students to “Create the Problem” using different formats and guidelines. Vary the activity each time. This activity can be used as a bell-ringer.

# Solutions:

1. 6x + 8y
2. 12x – 3y
3. 9x + 7y
4. -5x + 4y
5. 18x + 13y
6. 15x – 2y

# Formats:

1. ( \_\_\_\_\_\_ + \_\_\_\_\_\_ ) + ( \_\_\_\_\_\_ + \_\_\_\_\_\_ )
2. ( \_\_\_\_\_\_ + \_\_\_\_\_\_ ) + ( \_\_\_\_\_\_ - \_\_\_\_\_\_\_ )
3. ( \_\_\_\_\_\_ - \_\_\_\_\_\_ ) + ( - \_\_\_\_\_ + \_\_\_\_\_\_\_ )
4. ( \_\_\_\_\_\_ + \_\_\_\_\_\_ ) - ( \_\_\_\_\_\_ + \_\_\_\_\_\_\_ )

# Guidelines:

1. Use two formats.
2. Use formats 1 and 3.
3. Use formats 2 and 4.
4. Use all groups.
5. Use three groups, all positive.
6. Use three groups, two positive and one negative.