Name_____ Date_____

Adding and Subtracting Polynomials

1. Add or subtract.

   a) $2x^2 + x + 2y - 1 + (y^2 + 3y - 2x + 3)$

   b) $2x^2 + x + 2y - 1 - (y^2 + 3y - 2x + 3)$

2. Switch the order of the polynomials in questions 1a and 1b, then add or subtract. Does the answer stay the same?

   Does $a + b = b + a$?
   Does $a - b = b - a$?

   Show your thinking.