

Polynomials - Subtracting (Unit 2)

Name: _____

Date: _____

1. Simplify: $(4x^2 - 3x + 8) - (3x^2 - 5)$
2. Simplify: $(9x^2 - 4x + 5) - (2x^2 + 3)$
3. Simplify: $(x^3 + 6x - 4) - (2x^2 + 5x - 2)$
4. Simplify:
 $(12c^3d - 4c^2d^2 - 10cd^3) - (2c^3d - 11c^2d^2 - 9cd^3)$
5. From the sum of $3x^2 - 7x + 5$ and $x^2 - 4x - 9$,
subtract $5x^2 - 8x - 7$
6. Simplify: $(y^2 - 3y^3 - 2 + 5y) - (7 + 8y^2 - 4y + 6y^3)$
7. Simplify: $(2a^3 + 5 - 4a + 7a^2) - (4a^2 - 6a + 3 + 3a^3)$
8. Simplify: $x - [x + (x - 1)]$
9. The perimeter of a triangle is $14x - 4$. If two of
the sides measure $3x - 2$ and $5x + 3$, then how
long is the third side?
10. The perimeter of a rectangle is $18x - 24$ and the
width is $2x - 9$. What is the length?