

Homework #4: Subtract Polynomials

Subtract the polynomials

$$\begin{array}{r} 1) \quad (6x + 14) \\ \quad - (9x + 5) \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad (14x^2 + 13x + 12) \\ \quad - (7x^2 + 20x + 4) \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad (19x^2 + 9x + 16) \\ \quad - (5x^2 + 12x + 7) \\ \hline \end{array}$$

$$4) \quad (17x^2 + 7x - 14) - (-6x^2 - 5x - 18)$$

$$5) \quad (-18x^2 + 4x - 16) - (15x^2 + 4x - 13)$$

$$6) \quad (10x^2 + 8x) - (6 + 3x^2) + (2x - 9)$$

7) Molly has $(4x + 10)$ dollars and Ron has $(-5x + 20)$ dollars.

a. How much money do they have altogether?

b. How much more money does Molly have than Ron?