

Ex 6: Mix bag Polynomials review

- Simplify: 3x<sup>2</sup> + 10x<sup>2</sup> 6x + 4x
  True or false:

   A monomial can have a negative exponent.
  - b) Like terms are monomials with the same variables raised to the same exponents.
  - c) A polynomial has at least two UNLIKE TERMS.
- 3) Simplify: 3a + 5b (7a + 9b)
- 4) Is  $4x^2 7x + 10$  a trinomial?
- 5) Simplify: 3x + 7y (2x 6y)
- 6) Circle the monomials
  - $\sqrt{5a}$   $7a^5b^7$   $y^{-10}$  6  $12x^4$

**Solutions** 

- 1)  $13x^2 2x$
- 2) a) False b) True

  - c) True
- 3) -4a 4b
- 4) Yes
- 5) x +13y
- 6)  $7a^{5}b^{7}$ , 6 , &  $12x^{4}$

Practice: Page 57 # 1(aceg), 2(ac), 3, 4, 5

