

# Assignment 42

Multiply:

- 1)  $3x(8x - 9)$
- 2)  $4(p - 7)$
- 3)  $-10(6 - 4a)$
- 4)  $xy(3x - 7y)$
- 5)  $3x(4x + 3x^2)$
- 6)  $-2ab(7a^2b - 3ab^2)$

Multiply: Show your work using either the distributive property, FOIL, or the area model:

- 1)  $(x + 1)(x + 2)$
- 2)  $(x - 5)(x + 2)$
- 3)  $(x - 6)(x - 4)$
- 4)  $(2x - 7)(x + 5)$
- 5)  $(-8x - 9)(5x - 4)$

Challenge:

Which two binomials, when multiplied together, give you the product  $x^2 + 6x - 16$ ? How do you know?