

FOIL

Date _____ Period _____

Find each product.

1) $(4p + 5)(5p + 3)$

2) $(3a + 1)(3a - 4)$

3) $(3v - 3)(5v - 1)$

4) $(p + 1)(4p + 1)$

5) $(x + 2)(5x - 5)$

6) $(2a + 4)(2a - 2)$

$$7) (-3k - 6)(3k + 3)$$

$$8) (-7v - 7)(4v - 6)$$

$$9) (-4x + 5)(7x + 8)$$

$$10) (5n + 8)(-5n - 3)$$

$$11) (4r - 6)(4r + 8)$$

$$12) (4a + 7)(4a - 6)$$

$$13) \left(\frac{6}{5}m + \frac{1}{2}\right)\left(-\frac{3}{2}m - 2\right)$$

$$14) \left(\frac{5}{2}x + \frac{1}{2}\right)\left(-2x + \frac{16}{3}\right)$$

Answers to FOIL

$$1) 20p^2 + 37p + 15$$

$$9) -28x^2 + 3x + 40$$

$$3) 15v^2 - 18v + 3$$

$$11) 16r^2 + 8r - 48$$

$$5) 5x^2 + 5x - 10$$

$$13) -\frac{9}{5}m^2 - \frac{63}{20}m - 1$$

$$7) -9k^2 - 27k - 18$$