

Name: _____
8A; Algebra 1

Date: _____
Period _____

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Homework

Factor the following

1) $2x^2 + x - 3$

2) $3x^2 + 2x - 5$

3) $8x^2 - 13x - 6$

4) $5x^2 + x - 4$

5) $4x^2 + 7x - 15$

6) $10a^2 + 29a - 21$

7) If the area of a rectangle is $3x^2 + 14x + 15$ and the width is $x + 3$, find the expression that represents the length of the rectangle.

#'s 8 & 9: The following trinomials represent the area of a square. In each case, find a binomial that could be an expression for the measure of each side of the square.

8) $81x^2 + 18x + 1$

9) $4x^2 + 12x + 9$

**Challenge (not optional): Factor: $3a^2 - 7ab + 2b^2$