

Factor Trinomials  $ax^2+bx+c$  - 1  
Box/Necklace/OuterInner/AC/Grouping Methods

SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.

Factor.

1)  $5x^2 + 19x - 4$

1) \_\_\_\_\_

2)  $6x^2 - x - 155$

2) \_\_\_\_\_

3)  $20x^2 + 27x + 9$

3) \_\_\_\_\_

4)  $12y^2 - 17y + 6$

4) \_\_\_\_\_

5)  $6z^2 - 5z - 6$

5) \_\_\_\_\_

6)  $20x^2 - 27xy + 9y^2$

6) \_\_\_\_\_

7)  $10x^2 + 11xy - 6y^2$

7) \_\_\_\_\_

8)  $8x^2 + 18x + 9$

8) \_\_\_\_\_

9)  $7x^2 - 25x - 12$

9) \_\_\_\_\_

10)  $20y^2 - 31y + 12$

10) \_\_\_\_\_

11)  $4x^2 - 3x + 4$

11) \_\_\_\_\_

## Answer Key

Testname: FACTORANOT1

- 1)  $(5x - 1)(x + 4)$
- 2)  $(6x - 31)(x + 5)$
- 3)  $(4x + 3)(5x + 3)$
- 4)  $(4y - 3)(3y - 2)$
- 5)  $(3z + 2)(2z - 3)$
- 6)  $(4x - 3y)(5x - 3y)$
- 7)  $(2x + 3y)(5x - 2y)$
- 8)  $(2x + 3)(4x + 3)$
- 9)  $(7x + 3)(x - 4)$
- 10)  $(4y - 3)(5y - 4)$
- 11) prime