

2-2 Factoring Polynomials Using Busting B Method

Name: _____

Time> Start: _____ Finish: _____ Total Time = _____

Factor each trinomial completely using the Busting B method.

1. $6x^2 + 11x + 3$

2. $12x^2 + 11x + 2$

3. $12n^2 + 44n + 7$

4. $30n^2 + 19n + 3$

5. $8x^2 + 2x - 1$

6. $5n^2 - 3n - 2$

7. $9n^2 - 9n + 2$

8. $6x^2 + 25x + 25$

SAT Questions

_____ 9. If a , b , c , and d are consecutive multiples of 5, and $a < b < c < d$, what is the value of $(a - c)(d - b)$?
A. -100 B. -25 C. 0 D. 50 E. 100

_____ 10. The lengths of two sides of a triangle are 5 and 7. If the length of the third side is an integer, what is the least possible perimeter of the triangle?
A. 12 B. 13 C. 14 D. 15 E. 17

_____ 11. If Marta is assigned to Project A, then the project will be completed on time. Which of the following can be concluded?
A. If Project A is completed on time, then Marta must have been assigned to Project A.
B. If Marta was assigned to Project B, then Project A will not be completed on time.
C. If Project A is not completed late, then no one other than Marta was assigned to Project A.
D. If Marta is not assigned to Project A, then Project A will be completed late.
E. If the project is completed one week late, then Marta was not assigned to Project A.

_____ 12. In the figure below, what is the value of y ?

