NAME:

DATE:

A2.Q2.BERMELLEMBO: FACTORING – MATCHING

(DAY EP3)

EXPRESSIONS

NOTES

MATCH EACH SIMPLIFIED EXPRESSION TO ITS FACTORED FORM

SIMPLIFIED EXPRESSIONS

1. $5x^2+11x-12$ _____
2. $5x^2-17x-12$ _____
3. $5x^2-19x+12$ _____
4. $5x^2+17x-12$ _____
5. $5x^2+28x-12$ _____
6. $5x^2-16x+12$ _____
7. $5x^2-28x-12$ _____
8. $5x^2+7x-12$ _____
9. $5x^2-59x-12$ _____

FACTORED EXPRESSIONS		
A. $(5x+1)(x-12)$	B. $(5x+3)(x-4)$	C. $(5x-2)(x+6)$
D. $(5x-3)(x+4)$	E. $(5x+2)(x-6)$	F. $(5x-4)(x-3)$
G. $(5x-4)(x+3)$	H. $(5x+12)(x-1)$	X. $(5x-6)(x-2)$

10. Simplify the expression that includes the imaginary number i . BOX ANSWERS

A. $(2i+3)(i-4)$

B. $(4i-7)(4i+7)$

11. Simplify each radical expression in terms of the imaginary number *i*. BOX ANSWERS

A. $\sqrt{-200}$

B. $2\sqrt{-48}$

12. What is the correct factorization of $2x^2 - 13x - 24$? SHOW WORK

A. $(2x+3)(x+8)$

B. $(2x-3)(x-8)$

C. $(2x-1)(x+24)$

D. $(2x+3)(x-8)$

E. $(2x+1)(x-24)$

F. $(2x-3)(x+8)$