

NAME:

DATE:

A2.Q2.BERMELLEEMBO: FACTORING – MATCHING

(DAY EP3)

MASTERY PRACTICE

MATCH EACH SIMPLIFIED EXPRESSION TO ITS FACTORED FORM

SIMPLIFIED EXPRESSIONS

1. $4x^2 + x - 18$ _____
2. $4x^2 - 21x - 18$ _____
3. $4x^2 - 27x + 18$ _____
4. $4x^2 + 21x - 18$ _____
5. $4x^2 + 27x + 18$ _____
6. $4x^2 - x - 18$ _____
7. $4x^2 + 17x + 18$ _____
8. $4x^2 + 71x - 18$ _____
9. $4x^2 - 71x - 18$ _____

FACTORED EXPRESSIONS

A. $(4x - 3)(x - 6)$	B. $(4x + 3)(x - 6)$	C. $(4x + 9)(x - 2)$
D. $(4x + 9)(x + 2)$	E. $(4x + 3)(x + 6)$	F. $(4x - 3)(x + 6)$
G. $(4x + 1)(x - 18)$	H. $(4x - 1)(x + 18)$	X. $(4x - 9)(x + 2)$

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

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

B. $(2i - 5)(2i + 5)$

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

A. $5\sqrt{-12}$

B. $4\sqrt{-27}$

12. What is the correct factorization of $2x^2 + 47x - 24$? 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. $(2x-3)(x+8)$