

NAME:

DATE:

A2.Q2.BERMELEMBO: SIMPLIFY EXPRESSIONS + IMAGINARY NUMBER APPLICATION

(DAY EP1)

MASTERY PRACTICE

PART I: Simplify each of the expressions.

1. $3(6x)$

2. $5(6+3x)$

3. $2x(4+6x)$

4. $(5+2x)(5-2x)$

5. $(2x-1)(x+5)$

6. $(9+3x)(9-3x)$

7. $(3x+4)(x-7)$

PART II: Simplify each of the expressions.

Convert “ i ” to a real number when applicable.

1. $5(3i)$

2. $4(8+2i)$

3. $7i(3+2i)$

4. $(6+4i)(6-4i)$

5. $(5i-2)(i+3)$

6. $(3+4i)(3-4i)$

7. $(9+5i)(9-5i)$