Name _____ Student No._____G___/____ Date: _____Score: _____
Nickname: _____ Worksheet No.: _____

Remainder Theorem

A. Give the remainder of each of the following expressions using remainder theorem.

1) $(-x^3 + 5x^2 - 8x + 4) \div (2 - x)$

Remainder:

2) $(-4x^4 - 18x^3 - 18x^2 + 2x + 6) \div (-2x - 1)$

Remainder:

3) $(-x^2 + 4x - 3) \div (2x - 2)$

Remainder:

4) $(2x^2 + x - 1) \div (-2x - 1)$

Remainder:

5) $(1 - x^2) \div (2x - 1)$

Remainder:

6) $(-4x^3 + 6x^2 + 10x - 12) \div (-2x - 3)$

Remainder:

7) $(-4x^4 - 20x^3 - 35x^2 - 25x - 6) \div (-2x - 2)$

Remainder:

8) $(4x^4 + 6x^3 - 18x^2 + 2x + 6) \div (2 - x)$

Remainder:

9) $(2x^2 + 3x + 1) \div (-3x - 2)$

Remainder:

10) $(2x^2 + x - 3) \div (-2x - 2)$

Remainder: