

FNMT 017 HOMEWORK 14 NAME: _____

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[Run: 03/27/2017 at 12:17 Seed: 6477. Order of Checkable Items: List.]

Response Grid (Check the appropriate boxes thus:)

Question	a	b	c	d	e
1					
2					
3					
4					
5					

After having read the chapter *pencil in hand* and done this HOMEWORK :

i. What's *the* most important *idea* in the CHAPTER? Be *brief* and *specific*.

ii. What from this CHAPTER will you need to work on for the EXAM?

a.

b.

Hw 14-1. Identify the *quotient* of $\frac{-6x^3 - 17x^2 + 23x + 6}{-3x + 2}$

- a. 12 b. $+2x^2 + 7x - 3$ c. $-2x^2 + 4x - 5$ d. $+2x^2 - 4x + 4$
 e. None of the previous choices

Hw 14-2. Identify the *remainder* of $\frac{-6x^3 + 19x^2 - 18x - 3}{2x - 5}$

- a. $-4x + 4$ b. $+2x + 7$ c. $+17$ d. -23
 e. None of the previous choices

Hw 14-3. Identify the *remainder* of $\frac{10x^5 - 25x^3 - 8x^2 + 13}{5x^3 - 4}$

- a. $+2x^2 - 5$ b. -7 c. $-2x - 3$ d. $+2$
 e. None of the previous choices

Hw 14-4. Approximate $\frac{-6x^4 - 2x^3 + 11x^2 - 16x + 18}{-3x^2 + 2x - 4}$ with a *quadratic* polynomial

- a. $-2x^2 - 2x + 3$ b. $+2x^2 + 2x - 5$ c. $-2x^2 + 4x - 3$ d. $+2x^2 - 2x + 5$
 e. None of the previous choices

Hw 14-5. Approximate $\frac{6x^3 + 18x^2 - 15x + 2}{-3x^2 - 4}$ with an *affine* polynomial

- a. $-23x - 22$ b. $-2x^2 + 3x - 5$ c. $+2x^2 - 3$ d. $-2x - 6$
 e. None of the previous choices