

FNMT 017 HOMEWORK 12 **NAME:** _____

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[Run: 03/27/2017 at 11:39 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					
6					
7					
8					
9					
10					
11					

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 12-1. Reduce the following polynomial into standard *descending* powers:

$$-3x^2 - 7x^{-5} - 7x^1 - 4x^0 - 6x^2 + 9x^{-5}$$

- a.** $-9x^2 - 7x - 4 + 2x^{-5}$ **b.** $-3x^2 - 7x - 7 - 4x^{-1} - 6x^{-2} + 9x^{-3}$
c. $+9x^2 + 7x - 4 + 2x^{-5}$ **d.** $+9x^2 - 7x + 4 - 2x^{-5}$
e. None of the previous choices

Hw 12-2. Identify

$$x^2 - 3x - 5 + 2x^{-1} + 4x^{-2} \Big|_{x:=+2}$$

- a.** -1 **b.** -13.24 **c.** -11 **d.** $+135.24$
e. None of the previous choices

Hw 12-3. Identify

$$x^3 - 3x^2 - 5x + 2 \Big|_{x:=+3}$$

- a.** -13 **b.** $+41$ **c.** $+71$ **d.** $+9$
e. None of the previous choices

Hw 12-4. Reduce the following polynomial into standard *ascending* powers:

$$-6h^{-2} - 7h^4 + 5h^1 + 3h^0 - 6h^{-2} + 9h^4$$

- a.** $-9h^2 - 7h - 4 + 2h^{-5}$ **b.** $-12h^{-2} + 3 + 5h + 2h^4$
c. $+9h^2 + 7h^3 - 4h^4 + 2h^9$ **d.** $+9h^2 - 7h + 4 - 2h^{-5}$
e. None of the previous choices

Hw 12-5. Identify

$$+3 - 7h + 5h^2 \Big|_{h:=0.02}$$

- a.** $+72.333$ **b.** $+4.00000326$ **c.** $+3 + (\dots)$ **d.** $+3.000734$
e. None of the previous choices

Hw 12-6. Identify

$$+5x^3 + 7x^2 + 5x + 4 \quad \boxplus \quad +2x^4 + x^3 + 7x^2 + 5x$$

- a. $+7x^3 + 8x^2 + 12x + 9$
- b. $+7x^3 + 7x^2 + 12x + 9$
- c. $+2x^4 + 6x^3 + 14x^2 + 10x + 4$
- d. $+7x^4 + 8x^3 + 12x^2 + 9x$
- e. None of the previous choices

Hw 12-7. Identify

$$5x^5 + 7x^4 + 3x^3 + 4x^2 + [2x^3 + x^2 + 7x + 5]$$

- a. $5x^5 + 7x^4 + 7x^3 + 5x^2 + 5x + 7$
- b. $5x^5 + 7x^4 + 5x^3 + 5x^2 + 7x + 5$
- c. $5x^6 + 7x^5 + 5x^4 + 5x^3 + 7x^2 + 5x$
- d. $7x^7 + 5x^6 + 7x^5 + 5x^4 + 5x^3 + 7x^2 + 5x$
- e. None of the previous choices

Hw 12-8. Identify

$$+5x^3 + 7x^2 + 5x + 4 \quad \ominus \quad +2x^4 + x^3 + 7x^2 + 5x$$

- a. $2x^3 + 6x^2 + 14x + 10 + 4x^{-1}$
- b. $2x^3 + 4x^2 + 10x + 4$
- c. $+2x^4 + 6x^3 + 14x^2 + 10x + 4$
- d. $-2x^4 + 4x^3 + 4x$
- e. None of the previous choices

Hw 12-9. Identify

$$-5x^4 - 2x^3 + 5x^2 + 4x \quad \ominus \quad -4x^3 - x^2 + 6x + 5$$

- a. $-5x^4 - 6x^3 + 4x^2 + 10x + 5$
- b. $-5x^4 + 2x^3 + 6x^2 + 10x + 5$
- c. $-5x^4 + 2x^3 + 6x^2 - 2x - 5$
- d. $-5x^4 - 6x^3 + 6x^2 + 10x - 5$
- e. None of the previous choices

Hw 12-10. Identify

$$5h^2 - 7h^3 + 3h^4 - 4h^5 - [-2h^3 - h^4 + 7h^5 + 5h^6]$$

- a. $-2h^3 + 4h^4 + 8h^6 - 4h^7$
- b. $-2h^3 + 6h^4 - 4h^5 - 4h^6$
- c. $-2h^3 + 6h^4 - 2h^6 - 4h^7$
- d. $2h^3 + 6h^4 - 14h^5 - 2h^6 - 4h^7$
- e. None of the previous choices

Hw **12-11.** Identify

$$5x^4 + 7x^3 + 3x^2 + 4x - [2x^5 + x^4 + 7x^3 + 5x^2]$$

- a. $2x^5 + 6x^4 + 14x^3 + 8x^2 + 4x$
- b. $-2x^5 + 4x^4 - 2x^2 + 4x$
- c. $2x^6 + 4x^5 + 14x^4 - 2x^3 + 4x^2$
- d. $2x^7 + 4x^6 + 14x^5 - 4x^4 + 4x^3$
- e. None of the previous choices