

MATH 017 WORKOUT 15 NAME: _____

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[Run: 03/27/2013 at 21:2 Seed: 6477. Order of Checkable Items: List.]

15-1. Reduce the following Laurent polynomial into *descending* order of exponents:

$$-3x^{+3} - 7x^{-5} - 7x^{-4} - 4x^0 - 6x^{+3} + 9x^{+5} + 4x^{+3} + 2x^5 - 3x^{-4} - 8x^{+3}$$

15-2. Identify

$$-4x^3 + x^2 + x - 7x^{-1} \Big|_{x \leftarrow +2}$$

15-3. Identify

$$x^3 - 3x^2 + 3x + 2 + 4x^{-1} \Big|_{x \leftarrow -3}$$

15-4. Reduce the following Laurent polynomial into *ascending* order of exponents:

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

15-5. Identify

$$+2 + 4h - 5h^2 \Big|_{h \leftarrow 0.2}$$