Homework Review - 8.3

$$\frac{451}{10^{-2}} \frac{10^{-2}}{9^{rains}} \times \frac{10^{3}}{10^{3}} \frac{9^{rains}}{10^{3}} \times \frac{9^{rains}}{10^{3}} \times \frac{10^{3}}{10^{3}} \frac{9^{rains}}{10^{3}} \times \frac{9^{rains}}{10^{3}} \times \frac{9^{rains}}{10^{3}} \times \frac{10^{3}}{10^{3}} \times \frac{10^{3}}{10^$$

$$= 9 \cdot (31)^3 = 9 \cdot 3^3 \cdot 1^3$$
$$= 2431^3$$

27 243

$$= 3^{2}.3^{3}.J^{3}$$

$$= 3^{5}J^{3}$$

Section 9.1 042612.notebook April 26, 2012

Adding and Subtracting Polynomials





any number of monomials a - What is a polynomial?

allow (or subtracks) together

What is the "degree" of a polynomial?

Find the degree of each monomial by all the exponents of all the variables · Degree of a polynomial = largest monomial degree

Section 9.1 042612.notebook April 26, 2012

Writing/rewriting Polynomials

Section 9.1 042612.notebook April 26, 2012

Adding and Subtracting Polynomials

$$(3z^{2} + z - 4) + (2z^{2} + 2z - 3)$$

$$+ 2z^{2} + 2z - 3$$

$$5z^{2} + 3z - 7$$

Line up <u>like</u> terms horizontally or vertically

✓ Same variables, same exponents = like terms

Constants too

Combine

Make sure to write in correct order

9.
$$(2x^2 + 5x - 1) + (x^2 - 5x + 7)$$

 $x^2 - 5x + 7$
 $3x^2 + 6$

10.
$$(10b^2 - 3b + 2) - (4b^2 + 5b + 1)$$

12. $(3m+4) - (2m^2 - 6m + 5)$

11.
$$(-4m^2 + 3m - 1) - (m + 2)$$

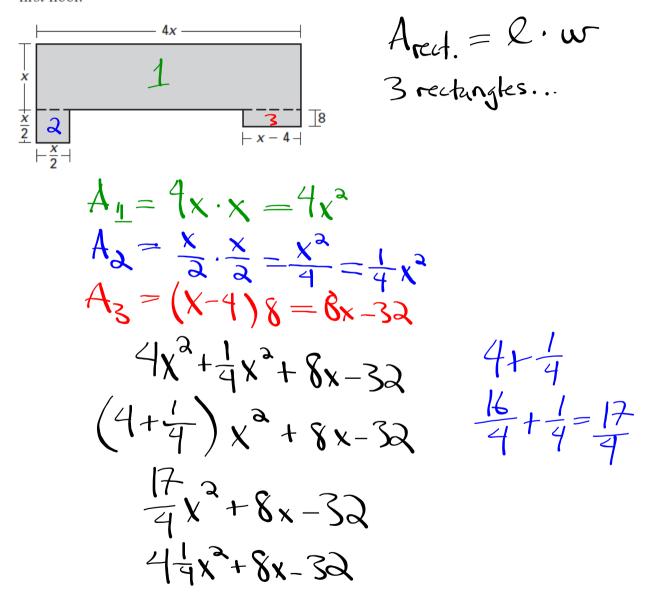
+ $m + 2$
 $-4m^3 + 2n - 3$

$$\frac{2m^{2}+3m+4}{+-2m^{2}+6m+5}$$

$$\frac{-2m^{2}+9m-1}{-2m^{2}+9m-1}$$

Section 9.1 042612.notebook

Floor Plan The first floor of a home has the floor plan shown. Find the area of the first floor.



Section 9.1 042612.notebook April 26, 2012

Homework:

p. 557, 4-28 even, 30, 40