6.3 Adding and Subtracting Polynomials

Degree of a Polynomial: The term with the largest exponent or exponent sum

Determine the degree of each polynomial

Simplify each of the following and state the degree of the polynomial

Nov 15-3:49 PM

The cost, in dollars, of holding a school dance for x students is 0.5x + 450. The income in dollars, from ticket sales to x students is 3.5x.

a) Write a formula for the profit, P dollars, from holding a dance for x students.

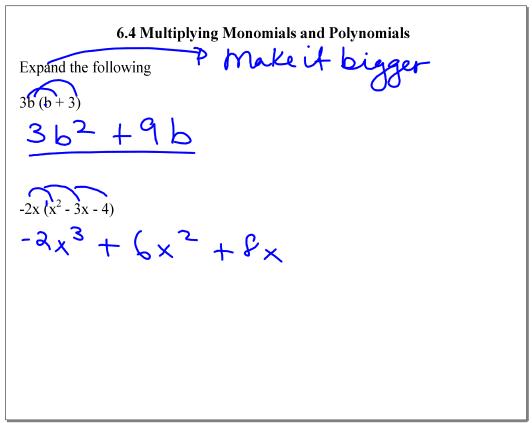
Profit = Income - Costs.

$$P = 3.5x - 1(0.5x + 450)$$

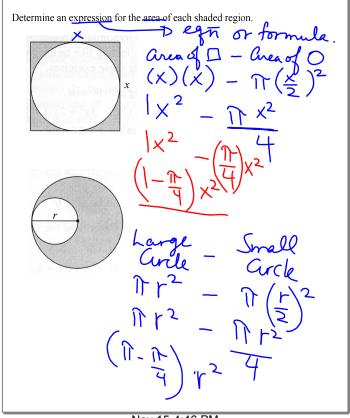
 $P = 3.5x - 0.5x - 450$

b) Calculate the number of students needed for the dance to break even.

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Nov 15-4:44 PM



Nov 15-4:46 PM

Nov 17-2:02 PM

Assignment: Pq.342

3 odds, 4, 8 odds, 9, 11 odds, 14

Pg. 347

1, 4 and 5 odds

7, 21 and 22a