

Math

Math 1010 January 11, 2017 Homework 2

Do 1.3 # 1, 3, 9, 11, 17, 21, 39, 45-77 alt odds (But, don't turn in textbook problems)

Do the arithmetic, combine like terms, and write in descending order. (Turn in this sheet of paper.)

1. $(3x^2)^2$

2. $4x(x^2 - 5x - 7)$

3. $(x - 4)(x + 7)$

4. $(x + 2)(x - 2)$

5. $(x + 7)^2$

6. $(x + 4)(2x^2 + 5x - 9)$

7. $(2x^2 + 4x + 5)(5x^2 - x + 7)$

8. Evaluate for $x = 2.4$
 $3.1x^2 - 7.8x + 14.9$

9. For P dollars invested at a simple interest rate of r percent per year, the amount A at the end of t years is $A = P + Prt$. Find A when $P = \$15,000$, $r = 3.4\%$, and $t = 18$ years.