Topic: Adding and Subtracting Linear Expressions

Homework Day 3

What Did The Candle Say To The Match?

Write the letter of each answer in the box containing the exercise number.

Find the sum.

1. $(x + 10) + (x - 14)$

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

3. $(3x - 7) + (-4x - 8)$

4. $(2x - 7) + 5(x - 3)$

5. $6(-2.3x - 5) + (4x + 11)$

6. $(8 - 2x) + 3(4.5x + 9)$

7. $\frac{1}{2}(8 - 4x) + \frac{1}{3}(9x - 6)$

8. $-\frac{3}{4}(3x + 7) + \frac{1}{4}(12x + 20)$

Find the difference.

9. $(-3x + 8) - (x + 10)$

10. $(5x + 4) - (1 - 2x)$

11. $(3 - 4x) - 3(2.4x - 7)$

12. $(4x - 8) - 4(-6.5x + 5)$

13. $\frac{1}{9}(-9x + 18) - \frac{1}{5}(10 + 15x)$

14. $\frac{4}{7}(4x + 3) - \frac{1}{7}(9x + 5)$

15. $\frac{1}{2}(-4x + 8) - \frac{1}{4}(8x - 12)$

16. Your class project involves recycling aluminum cans. After x weeks, your class has $(13x + 50)$ aluminum cans. The class goal is to collect $(80x + 120)$ aluminum cans. How many more aluminum cans does your class need to collect?

Answers
U. $-4x - 2$
P. $30x - 28$
T. $-9.8x - 19$
E. $x + 2$
I. $2x - 4$
L. $67x + 70$
H. $-11.2x + 24$
Y. $7x - 22$
I. $4x + 13$
U. $\frac{3}{4}x - \frac{1}{4}$
G. $x + 1$
L. $-4x + 7$
Y. $11.5x + 35$
F. $-4x$
M. $7x + 3$
O. $-x - 15$

6	3	9		16	2	14	11	5		8	12		10	4		15	1	13	7