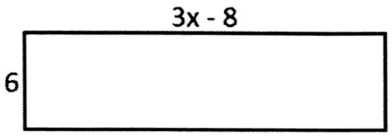
Name: KEY Period: _____

Find the Error

Directions: Highlight or circle the first mistake made in the work shown for each problem below. In the space provided, rework each problem that needs corrected. If you find no mistake, you may move on to the next problem.

Reworked Problem

1.) Find the area.



6(3x - 8)

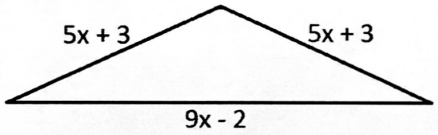
18x - 48

Area: -30x ← combined unlike terms

6(3x - 8)

18x - 48

2.) Find the perimeter.



5x + 3 + 5x + 3 + 9x - 2

19x + 8 3+3-2 = 4

Perimeter: 19x + 8

5x + 3 + 5x + 3 + 9x - 2

19x + 4

3.) Enter the value of b that makes 2.7(5.2x – 4) equivalent to b – 10.8.

2.7(5.2x - 4) = 140.4 - 10.8

b = 140.4 2.7 • 5.2 = 14.04

2.7(5.2x - 4)

14.04x - 10.8

b = 14.04x

	Reworked Problem
4.) Simplify the expression. $\frac{3}{5}(5n-12)-\frac{1}{4}(3n+16)$ $^{15}/_{5}n - {}^{36}/_{5} + {}^{3}/_{4}n + {}^{16}/_{4}$ should be negative $3n - 7^{1}/_{5} + {}^{3}/_{4}n + 4$ *Simplified Expression:* $3^{3}/_{4}n - 3^{1}/_{5}$	$\frac{3}{5}(5n-12)-\frac{1}{4}(3n+16)$ $3n - 7\frac{1}{5} - \frac{3}{4}n - 4$ $2\frac{1}{4}n - 11\frac{1}{5}$
5.) Simplify the expression: -4(9x – 2) + 3(-10x + 5) $-30x-36x =$ $-66x$ -36x + 8 - 30x + 15 -6x + 23 *Simplified Expression: -6x + 23*	$-4(9x-2)+3(-10x+5)$ $-36x+8-30x+15$ $-66x+23$
6.) Simplify the expression: -8(¼x + ½y) -2x - 4y (combined unlike terms) *Simplified Expression:* -6xy	$-8(\frac{1}{4}x+\frac{1}{2}y)$ $-2x-4y$
7.) Stan must pay a flat rate of $35 to board his dog. He must also pay an additional $15 per night. Part A) Write an expression to represent the cost to board his dog for x nights. *35 + 15x*	No Mistake
Part B) What is the total cost for Stan to board his dog for 5 nights? *35 + 15(5)* *35 + 75* *$110*	No Mistake