Multiplying Polynomials

{Coloring Activity!}

Name: _____

Date: _____ Per: _____

Set 1: Simplify each expression. Then, find the **sum** of your answers in each row.

1 $(x + 4)(x + 7)$	$(x + 8)(x + 5)$
2 $(x + 9)(x - 2)$	$(x + 6)(x - 3)$
3 $(x - 5)(x + 6)$	$(x - 2)(x + 1)$
4 $(x - 4)(x - 1)$	$(x - 7)(x - 5$
5 $(2x - 10)(x + 3)$	$(3x + 1)(x$
6 $(4x - 5)(x - 2)$	$(x - 5)($

Set 2: Simplify each expression. Then, find the **differ**

7 $(7x + 3)(x - 9)$	$(5x +$
8 $(2x + 1)(2x - 1)$	$(x +$
9 $(4x + 1)(3x - 7)$	$(3$
10 $(3x - 1)^2$	
11 $(x - 2)(x^2 + 8x - 1)$	
12 $(3x + 5)(x^2 - 10x + 2)$	

Match the question number with the ar

Red: $2x^2 - 32$

Light Green: $8x^2 - 18x - 35$

Dark Blue: $2x^2 - 68x - 30$

Brown: $2x^2 + 10x - 36$

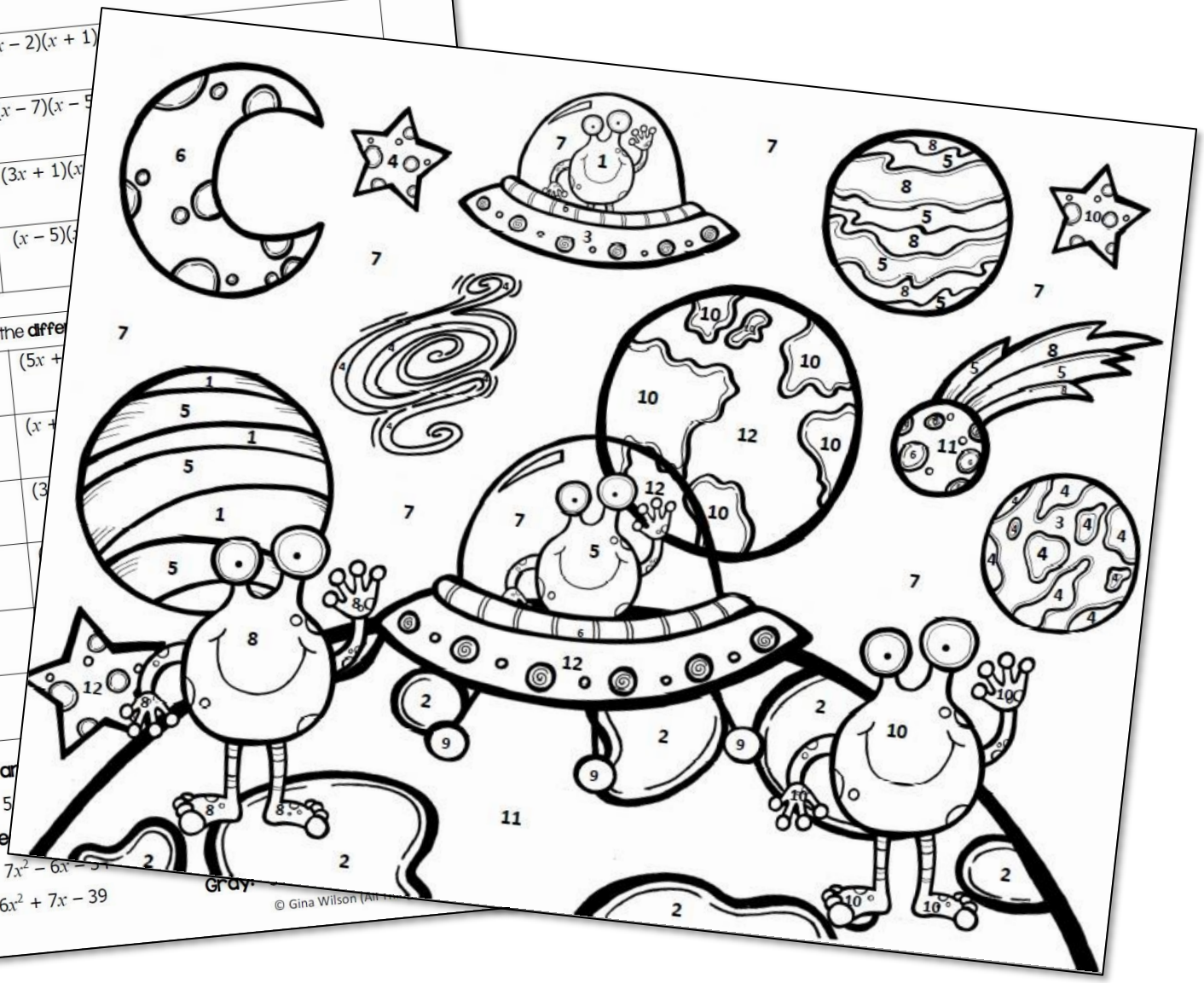
Yellow: 5

Dark Gre

Purple: $7x^2 - 6x - 5$

Black: $6x^2 + 7x - 39$

Gray:



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