

FACTORING QUADRATIC EXPRESSIONS

DIRECTIONS: Factor each expression. Find your answer in one of the three columns. Find the problem number on the coloring page and color each section with the number the color that corresponds to your answer.

#	PROBLEM	ANSWER 1	ANSWER 2	ANSWER 3
1	$x^2 - 7x - 18$	$(x - 9)(x + 2)$ YELLOW	$(x - 9)(x - 2)$ ORANGE	$(x + 9)(x + 2)$ BLUE
2	$x^2 - 9x + 8$	$(x - 1)(x - 8)$ RED	$(x - 4)^2$ PINK	$(x - 1)(x + 8)$ ORANGE
3	$7x^2 + 9x$	$x(7x + 9)$ BLUE	Not Possible BLACK	$7x(x + 2)$ RED
4	$5x^2 - x - 18$	$(x + 9)(5x - 2)$ YELLOW	$(5x + 9)(x - 2)$ BLACK	$(x + 18)(x - 1)$ BROWN
5	$x^2 + 5x + 4$	$(x - 1)(x + 4)$ BLACK	$(x + 1)(x + 5)$ WHITE	$(x + 1)(x + 4)$ ORANGE
6	$6x^2 - 12x - 144$	$6(x - 6)(x + 4)$ PINK	$(6x - 4)(x + 6)$ RED	Not Possible GREEN
7	$x^2 - 3x - 18$	$(x - 6)(x - 3)$ WHITE	$(x + 6)(x - 3)$ ORANGE	$(x - 6)(x + 3)$ GREEN
8	$x^2 - 8x + 15$	$(x - 3)(x + 5)$ RED	$(x - 3)(x - 5)$ PURPLE	$(x + 3)(x - 5)$ BLUE
9	$2x^2 + 17x + 21$	$(2x + 3)(x + 7)$ BLACK	$2(x + 3)(x + 7)$ GREEN	$(2x + 3)(2x + 7)$ BLUE
10	$x^2 + 8x + 16$	$(x - 4)^2$ BLACK	$(x + 4)^2$ WHITE	$(x - 4)(x + 4)$ BLUE

