Name _____ Date _____

Quiz: Adding and Subtracting Rational (Fractional) Expressions

Simplify in the simplest form

1 $\{(2x + 5) / (x + 1)\} + \{(x^2 + 1) / (x^2 - 1)\} - \{(3x - 2) / (x - 1)\}$

2 $\{(1 + 8x)\} + \{(8x - 1) / (1 + 8x)\} - \{(2 + 2x) / (5 + 2x)\}$

3 $\{(x^2 - x - 6) / (x^2 - 9)\} + \{(x^2 + 2x - 24) / (x^2 - x - 12)\}$

4 $\{(x^4 - 3x + 1) / (x + 3)\} + \{(- x^5 + 2x^4 + x^3 + 6x^2 - 6x + 5) / (x^2 + x - 6)\}$

5 $\{(7x / (x^2 + x - 12)\} - \{(3 / (x - 3)\}$

6 $\{(x^2 + 3) / (x + 3)\} + \{(x^2 - x) / (x^2 + 5x + 6)\}$

7 $\{(2x^2 + 2x - 7) / (x^2 + x - 6)\} - \{(x + 2) / (X + 3)\}$

8 $\{(x^2 + 1) / (x + 3)\} + \{(x^2 - 3) / (x + 3)\}$

9 $\{(5x^3 + x^2 - 1) / (x + 2)\} - \{(4x^4 - 6x^3 + x^2 + 2x - 1) / (x^2 + x - 2)\}$

10 $\{(x^3 - 1) / (x^2 + 2)\} + \{(x^3 - x^2 + 4) / (x^2 + 2)\}$

Circle # Correct	0	1	2	3	4	5	6	7	8	9	10
Percentage Score	0%	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%