

Name \_\_\_\_\_ Date \_\_\_\_\_

Quiz: Simplifying Rational-Fractional Expressions

Simplify in the simplest form

1  $(x^4 - 10x^2 + 9) / (x^3 + 4x^2 + 3x)$

2  $(6x^2 + 29x + 35) / (3x^2 + 19x + 28)$

3  $(x^2 + 7x + 10) / (x^2 + 10x + 25)$

4  $(x^3 + 9x^2 + 20x) / (x^2 + 5x + 4)$

5  $(x^2 + x - 2) / (2x^2 + x - 3)$

6  $(x^2 + 6x - 40) / (x^2 - 10x + 24)$

7  $(x^2 + 2x - 8) / (x^2 - 4)$

8  $(x^2 - x + 1) / (x^4 + x^2 + 1)$

9  $(x^2 + 2x - 24) / (x^2 - 16)$

10  $(a^2 + a - 2) / (a^3 + 2a^2 - a - 2)$

|                  |    |     |     |     |     |     |     |     |     |     |      |
|------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 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% |