

ACTIVITY 61

Name _____

Date _____

Simplifying Rational Expressions *(continued)*

Directions Simplify the following expressions and locate the answers below. If you connect the dots next to each correct answer in the same order in which the problems are numbered, a cartoon will appear. (Note: Some answer dots will not be used.)

1. $\frac{5xy}{5x}$ _____

6. $\frac{-4x^3y}{20xy}$ _____

2. $\frac{x^3}{x^2y}$ _____

7. $\frac{y(x-y)}{(x+y)(x-y)}$ _____

3. $\frac{9x}{12y}$ _____

8. $\frac{y^6(a+b)}{y^2(a+b)}$ _____

4. $\frac{y^6}{y^2}$ _____

(LIFT PENCIL)

5. $\frac{6xy^2}{18x^2y}$ _____

9. $\frac{x^2-y^2}{x+y}$ _____

10. $\frac{x^2+5x+6}{x^2+x-6}$ _____

