

8-10 Questions

Exponent Coloring Sheet # 2

Directions: Simplify the question 2. Look for the corresponding question number in the coloring sheet 4. Color according to the key.

1. $(3xy)(25x^{-2})y$

3. $\frac{(2x)^2}{(3xy-2xy)^{-2}}$

5. $(7xy)^0 \cdot (3xy \cdot 3xy)^{-2}$

Name _____ Date _____

Exponent Rules Coloring Sheet # 1

Name _____ Per _____

1. $(xy)^2 xy^4$

3. $2x(3y)^2$

5. $(10xy)^2 3xy^{-3}$

7. $\frac{(2xy)^2}{3xy}$

9. $(2xy)^2 xy^{-4}$

2. $3xy^2(xy)^{-2}$

4. $(xy)^2 3xy^{-1}$

6. $2(x^2y)^2 3xy$

8. $(2x^2y)^2 2xy$

10. $(xy)^2 2xy^{-5}$

Answers:

Blue: $\frac{4x^3}{y^3}$ or

$\frac{2y}{x}$

Red: x^3y^7 or $8x^3y^3$

Yellow: $10xy^2$

Black: $\frac{3x}{y^2}$ or

$\frac{2x^2}{y^2}$

Purple: $\frac{4}{3}xy$ or $\frac{2x^2}{y}$

Orange: $6x^3y^3$