

Name _____

SIMPLIFYING EXPRESSIONS #5

Directions: Simplify each of the expressions below. Show your work and write your final answer in the line provided.

Examples: $\frac{4x^5}{10x^2} = \frac{4 \cdot x \cdot x \cdot x \cdot x \cdot x}{10 \cdot x \cdot x} = \frac{2x^3}{5}$

$\frac{3x^6}{15x^2} = \frac{3 \cdot x \cdot x \cdot x \cdot x \cdot x \cdot x}{15 \cdot x \cdot x} = \frac{1x^4}{5} = \frac{x^4}{5}$

1) $\frac{6x^5}{9x^2} =$

1) _____

2) $\frac{8x^7}{20x^2} =$

2) _____

3) $\frac{4x^4}{10x} =$

3) _____

4) $\frac{6x^9}{9x^7} =$

4) _____

5) $\frac{8x^8}{20x^3} =$

5) _____

6) $\frac{4x^7}{20x^2} =$

6) _____

7) $\frac{8x^4}{64x} =$

7) _____

8) $\frac{6x^7}{2x^2} =$

8) _____

9) $\frac{8x^6}{20x^2} =$

9) _____