Упрощение выражений экспоненты (2 переменные)

Имя: _____ Дата: _____ Оценка: ____

1) $1 \times y^{(-4)}x^{(-4)}(x^{(-3)})^{(-2)}x^{(-1)}(y^{(-2)})^{5}$

2) $2 \times y^{3}x^{(-5)}(x^{5})^{2}x^{3}(y^{(-3)})^{5}$

3) $\dfrac{8x^{(-1)} \times y^{6}(x^{(-1)} \times y^{(-1)})^{3}}{4 \times y^{2}(x^{(-2)})^{3}}$

4) $9x^{(-1)} \times y^{(-1)}(x^{4} \times y^{6})^{(-1)}$

5) $8x^{5} \times y^{5}(x^{2} \times y^{(-12)})^{5}$

6) $6x^{(-1)} \times y^{(-1)}(x^{2} \times y^{4})^{(-3)}$

7) $7 \times y^{2}x^{6}(x^{3})^{(-1)}x^{(-1)}(y^{(-1)})^{5}$

8) $9 \times y^{5}x^{2}(x^{4})^{(-3)}x^{(-3)}(y^{(-1)})^{3}$

9) $\dfrac{5x^{(-4)} \times y^{(-6)}(x^{(-2)} \times y^{(-2)})^{2}}{4 \times y^{3}(x^{(-1)})^{(-1)}}$

10) $\dfrac{5x^{5} \times y^{(-1)}(x^{5} \times y^{5})^{4}}{9 \times y^{2}(x^{(-2)})^{(-2)}}$