Simplify by writing the expression with positive exponents. Assume that all variables represent nonzero real numbers.

1) \(\left(\frac{4p^{-5}q^2}{2^{-1}m^3}\right)^2\)

2) \(\frac{(x^{-3}y^9z)^{-4}}{(x^{-5}y^{-10}z)^{-3}}\)

Write the number in scientific notation.

3) 652.092

Write the number without exponents.

4) 4.84 \times 10^{-4}

Find the product.

5) \((5m - 11w)(5m + 11w)\)

6) \((4r - 5)^2\)

7) \(-(2y - 7)^2\)

8) \((6y + x)(6y - x)\)

Perform the division. Write the answer with positive exponents.

9) \(\frac{6x^7 - 24x^6 + 15x^5}{3x^6}\)

10) \(\frac{-35x^9 - 15x^8 + 20x^6 - 15x^4}{-5x^6}\)