

Simplify each. Write answers so that no exponents are negative or zero.

1.  $6Q^{-4}R^6S^0$

2.  $\frac{-10H^5J^{-2}}{K^{-9}}$

3.  $\frac{C^{-6}D^{-1}}{E^8}$

4.  $\frac{-5M^0}{3^{-2}N^{-4}}$

5.  $\left(\frac{x^{-9}}{y^7}\right)^{-1}$

Evaluate each for  $P = -3$   $Q = 6$ . Leave non-integer answers as a fraction in reduced form.

6.  $-5PQ^{-2}$

7.  $\frac{P^{-3}}{Q^{-1}}$