

Simplify each.

1.  $\sqrt{98}$

2.  $\sqrt{112}$

3.  $\sqrt{192}$

Simplify each. Write answers without negative exponents or zero as an exponent.

4.  $\frac{-5a^3b^{-2}}{c^0d^{-5}}$

5.  $(3m^5n)^2(10m^{-3}n^4)$

6.  $\frac{12x^4y^{-2}}{3x^6y^{-5}}$