

## Exercises 1.8

Simplify the following, expressing the answer as a single fraction with no exponents.

1.  $2^{-3}$

2.  $3^2$

3.  $\left(\frac{4}{9}\right)^{1/2}$

4.  $\left(\frac{16}{9}\right)^{-1/2}$

5.  $(-3)^2$

6.  $\left(\frac{1}{8}\right)^{-2/3}$

7.  $\left(\frac{x^3}{8}\right)^{1/3}$

8.  $(\sqrt{x})^4$