

## MATH ACTIVITY: Laws of Indices (9-3)

Using the laws of Indices, find the following:

1.  $x^5y^3 \times xy^5 \times x^7y =$

2.  $25r^{10}t^8 \times 8rt =$

3.  $9^7 \times 9^8 \times 9 =$

4.  $a^3b^6 \div a^2b^3 =$

5.  $15m^9n^4 \div 3m^5n^2 =$

6.  $\frac{a^3 \times a^7 \times a^4}{a^2 \times a^6 \times a^2} =$

7.  $\frac{3^4 \times 3^2 \times 3^{12}}{3^9 \times 3^5 \times 3^4} =$