

## Index Laws (A)

Simplify  $\frac{3x^6}{6x^3}$

Simplify  $(3x^3)^2 \times x^2$

Simplify  $\left(\frac{2x^2}{3y^3}\right)^2$

Simplify  $4x^4 \times 3x^6$

Simplify  $(2x^4)^3$

Simplify  $(2x^3y^2)^2$

## Index Laws (B)

Simplify  $(2x^2y^3)^3$

Simplify  $(\frac{2x^2}{3y^3})^3$

Simplify  $2x^6 \times 4x^5$

Simplify  $(4x^2)^2$

Simplify  $(4x^3)^2 \times x^4$

Simplify  $\frac{2x^5}{5x^3}$

## Index Laws (C)

Simplify  $\frac{4x^7}{6x^3}$

Simplify  $\left(\frac{3x^3}{2y^2}\right)^2$

Simplify  $3x^6 \times 2x^4$

Simplify  $(2x^3y^3)^3$

Simplify  $(3x^3)^2$

Simplify  $(3x^4)^2 \times x^4$

## Index Laws (D)

Simplify  $(3x^2)^3$

Simplify  $\left(\frac{3x^2}{2y^2}\right)^2$

Simplify  $\frac{4x^7}{6x^4}$

Simplify  $3x^5 \times 2x^4$

Simplify  $(3x^2)^2 \times x^2$

Simplify  $(2x^4y^4)^2$

## Index Laws (E)

Simplify  $4x^3 \times 4x^5$

Simplify  $\frac{5x^8}{2x^2}$

Simplify  $(4x^2)^3$

Simplify  $(3x^3y^3)^2$

Simplify  $(4x^4)^3 \times x^2$

Simplify  $\left(\frac{2x^3}{3y^3}\right)^3$

## Index Laws (F)

Simplify  $(4x^2)^3 \times x^3$

Simplify  $(2x^4)^3$

Simplify  $(2x^4y^2)^3$

Simplify  $\left(\frac{3x^2}{2y}\right)^3$

Simplify  $4x^3 \times 3x^6$

Simplify  $\frac{6x^7}{3x^4}$

## Index Laws (G)

Simplify  $(3x^2)^2$

Simplify  $(3x^2)^2 \times x^3$

Simplify  $\left(\frac{3x^2}{2y^2}\right)^2$

Simplify  $\frac{2x^9}{5x^3}$

Simplify  $(3x^4y^4)^3$

Simplify  $4x^2 \times 2x^5$

## Index Laws (H)

Simplify  $(2x^2)^3$

Simplify  $(2x^4y^2)^3$

Simplify  $3x^4 \times 2x^6$

Simplify  $\left(\frac{3x^2}{2y^3}\right)^2$

Simplify  $(3x^4)^2 \times x^4$

Simplify  $\frac{3x^9}{6x^3}$

## Index Laws (I)

Simplify  $\frac{2x^6}{6x^4}$

Simplify  $(4x^3)^3$

Simplify  $(4x^4)^2 \times x^2$

Simplify  $4x^3 \times 3x^3$

Simplify  $\left(\frac{2x^2}{3y}\right)^2$

Simplify  $(2x^4y^3)^3$

## Index Laws (J)

Simplify  $\frac{5x^8}{6x^2}$

Simplify  $4x^6 \times 4x^6$

Simplify  $(2x^4y^2)^2$

Simplify  $\left(\frac{2x^3}{3y^2}\right)^2$

Simplify  $(4x^3)^2 \times x^3$

Simplify  $(4x^4)^2$