

## Laws of indices

Simplify

1)  $(5z^2)^5$

2)  $(2e^4 \times 5e^2)^2$

3)  $(3k^2)^5$

4)  $(3s^3 \times 4s^5)^3$

5)  $(3d^5)^5$

6)  $(4b^2 \times 2b^5)^2$

7)  $(2i^5)^5$

8)  $(2n^5 \times 3n^2 \times 4n^2)^3$

9)  $(5b^3 \times 4b^2 \times 3b^5)^5$

10)  $(5s^5)^4$

## Laws of indices

Simplify

1)  $(5z^2)^5 = 3125z^{10}$

2)  $(2e^4 \times 5e^2)^2 = 100e^{12}$

3)  $(3k^2)^5 = 243k^{10}$

4)  $(3s^3 \times 4s^5)^3 = 1728s^{24}$

5)  $(3d^5)^5 = 243d^{25}$

6)  $(4b^2 \times 2b^5)^2 = 64b^{14}$

7)  $(2i^5)^5 = 32i^{25}$

8)  $(2n^5 \times 3n^2 \times 4n^2)^3 = 13824n^{27}$

9)  $(5b^3 \times 4b^2 \times 3b^5)^5 = 777600000b^{50}$

10)  $(5s^5)^4 = 625s^{20}$