



Name : ..... Class : .....

## Division of exponents

Simplify the following exponents. Your answer should contain only positive exponents.

11)  $\frac{2n^2}{n}$

12)  $\frac{8x^3}{10x^5}$

13)  $\frac{12x^3}{9y^8}$

14)  $\frac{14x^4y^7}{6x^5y^4}$

15)  $\frac{11u^4}{17u^7v^9}$

16)  $\frac{4y^4}{14yx^8}$

17)  $\frac{12yx^4}{10yx^8}$

18)  $\frac{18x^8y^8}{10x^3}$

19)  $\frac{5n^8}{20n^8}$

20)  $\frac{16yx^4}{9x^8y^2}$

## ANSWER SHEET

Simplify the following exponents. Your answer should contain only positive exponents.

$$11) \frac{2n^2}{n}$$
$$2n$$

$$12) \frac{8x^3}{10x^5}$$
$$\frac{4}{5x^2}$$

$$13) \frac{12x^3}{9y^8}$$
$$\frac{4x^3}{3y^8}$$

$$14) \frac{14x^4y^7}{6x^5y^4}$$
$$\frac{7y^3}{3x}$$

$$15) \frac{11u^4}{17u^7v^9}$$
$$\frac{11}{17u^3v^9}$$

$$16) \frac{4y^4}{14yx^8}$$
$$\frac{2y^3}{7x^8}$$

$$17) \frac{12yx^4}{10yx^8}$$
$$\frac{6}{5x^4}$$

$$18) \frac{18x^8y^8}{10x^3}$$
$$\frac{9x^5y^8}{5}$$

$$19) \frac{5n^8}{20n^8}$$
$$\frac{1}{4}$$

$$20) \frac{16yx^4}{9x^8y^2}$$
$$\frac{16}{9x^4y}$$