



NAME: \_\_\_\_\_

## GENERAL REVIEW THIRD TERM MIDTERM TEST

## MATH

**Exponents**

Rewrite each expression using exponents.

example:  $7 \times 7 \times 7 \times 7 = 7^4$ 

- a.  $6 \times 6 \times 6 \times 6 \times 6$  \_\_\_\_\_      b.  $3 \times 3 \times 3 \times 3$  \_\_\_\_\_
- c.  $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2$  \_\_\_\_\_      d.  $9 \times 9$  \_\_\_\_\_
- e.  $31 \times 31 \times 31 \times 31 \times 31 \times 31$  \_\_\_\_\_      f.  $14 \times 14 \times 14$  \_\_\_\_\_

Rewrite each exponent in expanded form.

example:  $5^6 = 5 \times 5 \times 5 \times 5 \times 5 \times 5$ 

- g.  $8^4 =$  \_\_\_\_\_
- h.  $4^9 =$  \_\_\_\_\_
- i.  $13^2 =$  \_\_\_\_\_
- j.  $100^6 =$  \_\_\_\_\_

Rewrite each exponent in standard form.

example:  $6^3 = 216$ 

- k.  $5^2$  \_\_\_\_\_      n.  $9^3$  \_\_\_\_\_
- l.  $7^4$  \_\_\_\_\_      o.  $11^2$  \_\_\_\_\_
- m.  $4^3$  \_\_\_\_\_      p.  $2^6$  \_\_\_\_\_

Simplify the following Power exercises and identify their case.

1)  $5^4 \times 5^7 =$

6)  $12^7 \div 12^6 =$

2)  $\frac{8^9}{8^2} =$

7)  $(3^4)^5 =$

3)  $\frac{3^4}{3^4} =$

8)  $886^{0^+} =$

4)  $(7^3)^9 =$

9)  $\left(\frac{8}{6}\right)^7 =$

5)  $\left(\frac{3}{5}\right)^4 =$

10)  $67^5 \times 67^7 =$

1) Convert to fractions:

0,008:

0,092:

0,8:

0,65:

5,88:

11,5:

2) Convert to decimals:

$\frac{9}{100}$	$\frac{18}{10}$
$7\frac{125}{1000}$	$3\frac{79}{100}$
$7\frac{9}{1000}$	$\frac{9}{100}$
$35\frac{4}{1000}$	

