## Class 8 Important Formulas

## Chapter 10 - Exponents And Power

```
Laws of Exponents
Here are the laws of exponents when a and b}\mathrm{ are non-zero integers and m, n are any integers.
a-m}=1/\mp@subsup{a}{}{m
am}/\mp@subsup{a}{}{n}=\mp@subsup{a}{}{m-n
(am}\mp@subsup{)}{}{n}=\mp@subsup{a}{}{mn
amm }\times\mp@subsup{b}{}{m}=(ab\mp@subsup{)}{}{m
am}/\mp@subsup{b}{}{m}=(a/b\mp@subsup{)}{}{m
a0}=
(a/b)-m}=(b/a\mp@subsup{)}{}{m
(1)}\mp@subsup{)}{}{n}=1\mathrm{ for infinitely many }n\mathrm{ .
(-1) p}=1\mathrm{ for any even integer p
```

