**Simplify the expressions below. If they cannot be simplified, write ‘Not Possible’.**

|  |  |  |
| --- | --- | --- |
| 1. $\left(a\right)\left(a\right)\left(a\right)\left(a\right)\left(a\right)\left(a\right)$

  | 1. $\left(-2\right)^{2}$

 4 | 1. $-\left(2\right)^{2}$

 -4 |
| 1. $x^{3}z^{2}$

 **Not possible**  | 1. $x^{3}x^{2}x^{7}$

 | 1. $x^{3}y^{2}y^{9}$

 |
| 1. $x^{3}y^{3}z^{2}$

 **Not possible** | 1. $x^{2}y^{4}x^{100}y$

  |  |

|  |  |  |
| --- | --- | --- |
| 1. $\left(-2\right)^{0}$

 **1** | 1. $ -\left(2\right)^{0}$

 -1 | 1. $ \frac{x^{3}}{ x^{2}}$

  |
| 1. $ \frac{x^{3}}{z^{2}}$

 Not possible | 1. $ \frac{ x^{3}x^{12}}{x^{4}}$

  | 1. $ \frac{ x^{3}y^{22}}{y^{9}}$

 |
| 1. $ x^{3}x^{0}z^{2}$

 | 1. $\frac{ x^{200}y^{4}}{x^{100}y}$

 | 1. $ z^{5}x$

 Not possible |
| 1. $x^{0}y^{0}z^{0}$

 1 | 1. $\frac{x^{9}y^{9}z^{9}}{x^{3}yz^{0}}$

  | 1. $z^{5}z^{13}$

  |