Indices and logs 2 : Rules of logs

Example 1

Find Z if:

$log\_{2}z$ = 3

Example 2

Solve for K:

$log\_{16}2$ = k

Question 1

Find the value of x, if:

1. $log\_{2}16=x$
2. $log\_{x}1000$ = 3
3. $log\_{7}x$ = 3
4. $log\_{625}x$ = $\frac{1}{4}$
5. $log\_{8}4$ = x