CUBE ROOT: $\sqrt[3]{x}$

NAME: _____ Nos: ___ Grade: ___

WORKOUT EACH OF THE FOLLOWING

1 Find the cube root of:

a) 27 = ____ b) 40 = ___

c) $-\frac{8}{125}$ = ____ d) $\frac{216}{729}$ = ___

e) 0.008 = ____ f) 0.000512 = ___

2. Find the values of the following

a) $\sqrt[3]{125}$ = b) $\sqrt[3]{343}$ = c) $\sqrt[3]{-27}$ =

d) $\sqrt[3]{\frac{64}{125}}$ = e) $\sqrt[3]{-0.027}$ = f) $\sqrt[3]{0.512}$ =

g) $\sqrt[3]{0.000064}$ = h) $\sqrt[3]{-0.125}$ =

3. Solve the following equations.

a) $x^3 = 100$ Ans: ___ b) $x^3 = 216$ Ans: ___

c) $x^3 = 0.027$ Ans: ___ d) $\sqrt[3]{x} = -9$ Ans: ___

e) $\sqrt[3]{x} = \frac{1}{5}$ Ans: ___ f) $\sqrt[3]{\quad} = 1.4$ Ans: __

5	**3**	**0.8**	$\sqrt[3]{100}$	**-3**	**216**	**0.08**	**2.744**	$-\frac{2}{5}$	**-0.3**
0.2	$\frac{1}{125}$	7	$\frac{2}{3}$	-729	-0.5	$2\sqrt[3]{5}$	$\frac{4}{5}$	0.3	0.04

LIVEWORKSHEETS