Name: _____

Cube and Cube Roots

Find the value of the following.

1. $6^3 =$
2. $13^3 =$
3. $9^3 =$
4. $30^3 =$
5. $12^3 =$
6. $20^3 =$

Use prime factors to find the cube root of the following.

1. $\sqrt[3]{729} =$ _____
_____
_____

2. $\sqrt[3]{125} =$ _____
_____
_____

3. $\sqrt[3]{343} =$ _____
_____
_____

4. $\sqrt[3]{512} =$ _____
_____
_____

5. $\sqrt[3]{216} =$ _____
_____
_____

6. $\sqrt[3]{1728} =$ _____
_____
_____

Example $\sqrt[3]{64} = (2 \times 2 \times 2) \times (2 \times 2 \times 2)$

2 x 2

4

Working

2	64
2	32
2	16
2	8
2	4
2	2
	1

Solve the following.

$\sqrt[3]{1728} - \sqrt[3]{1728} =$

2. $\sqrt[3]{216} + \sqrt[3]{125} =$

3. $\sqrt[3]{1000} - \sqrt[3]{343} =$

LIVEWORKSHEETS