

Do Now

1) Between which two consecutive integers is  $\sqrt[3]{11}$ ?

- A) 0 and 1
- B) 1 and 2
- C) 2 and 3
- D) 4 and 5

2.22398...

3 | 2<sup>nd</sup> | 11

2) Between which two consecutive integers is  $\sqrt[3]{200}$ ?

- A) 66 and 67
- B) 20 and 21
- C) 6 and 7
- D) 5 and 6

5.8480...

3 | 2<sup>nd</sup> | 200

3) Which statement below is true?

- A)  $\sqrt{4} = \sqrt[3]{4}$
- B)  $\sqrt{4} = \sqrt[3]{27}$
- C)  $\sqrt{16} = \sqrt[3]{27}$
- D)  $\sqrt{16} = \sqrt[3]{64}$

2<sup>nd</sup> | +2

4) Circle True or False for each equation.

- A)  $\sqrt{121} = 11$
- B)  $\sqrt[3]{81} = 27$
- C)  $\sqrt{25} = \sqrt[3]{125}$
- D)  $\sqrt[3]{9} = 3$

True    False  
True    False 4.32...  
True    False  
True    False 2.06...

5) Determine whether each square root or cube root has a value greater than 10 or less than 10. Write the root in the correct box.

$\sqrt{50}$      $\sqrt{200}$      $\sqrt{144}$      $\sqrt[3]{400}$      $\sqrt[3]{1200}$      $\sqrt[3]{900}$   
↓        ↓        ↓        ↓        ↓        ↓  
7.07    14.14    12        7.36    10.62    9.65

Less than 10

$\sqrt{50}$   
 $\sqrt[3]{400}$   
 $\sqrt[3]{900}$

Greater than 10

$\sqrt{200}$   
 $\sqrt{144}$   
 $\sqrt[3]{1200}$