



**Mathematics 52**  
**Take-Home Quiz 2**  
**Fall 2016**

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**Course ID: (27488) and (27501)**

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Student's Name:.....

Student's ID:.....

**Note:** This quiz covers some problems from the **real numbers operations and properties**.

**Problem 1 (5 points):** Simplify the following mathematical expressions:

a. 
$$\frac{2^3 + \sqrt[3]{125} + \left(\frac{15}{5}\right)}{\left(\frac{22}{2}\right) + |-20|}$$

b. 
$$\frac{\sqrt{25} - |-23| + 64^{\frac{1}{2}}}{34 + \sqrt{100}}$$

**Problem 2 (5 points):** Add the following using **the number line**:

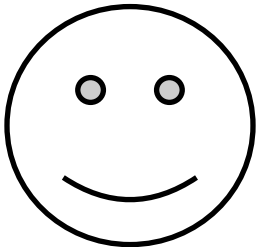
a.  $-2.5 - 1.5$

b.  $0 - 7$

c.  $5 + (-3)$

d.  $-((-3) \cdot (-1)) + -(-2 \cdot -1)$

e.  $\frac{15}{-5} + \left(-\frac{-14}{2}\right)$



*Math is Awesome!!!*  
*Practice + Study = Success*  
*Good Luck*  
*Mohammed Kaabar*

