

**BRONX COMMUNITY COLLEGE**  
**of the City University of New York**  
**DEPARTMENT OF MATHEMATICS & COMPUTER SCIENCE**

**NAME:** \_\_\_\_\_

Test 1 Sample

9/9/14

E. Antonakos

The actual test will be on Thursday, September 11.

MTH 05 D34

**There are twenty questions, each worth 5 points. SHOW ALL WORK to receive full credit.**

1.  $337 + 292 - 621 =$

2.  $-48700 + 2647 =$

3.  $214 \times 67 =$

4.  $-321 \cdot 404^1 =$

5.  $1414 \div 202 =$

6.  $\frac{48060}{-12} =$

7.  $-(-(- (948 \div 32))) =$

8.  $2^4 + 3^3 - 4^2 + 5^1 - 6^0 =$

9.  $4 \times 10^2 - |7 - 15| =$

10. Between which two whole numbers does  $\sqrt{55}$  lay?

11.  $50 - 6(7 - 2) =$

12.  $5 \cdot 4 - 6 \div 2 + \sqrt{81} =$

**13.**  $\frac{4^2 + 3^1}{5^2 + 2^1} =$

**14.**  $\sqrt{50 - 7 \times 2} =$

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**15.** Find the class average if two students scored 90, one scored 87, four scored 70, and one scored 61.

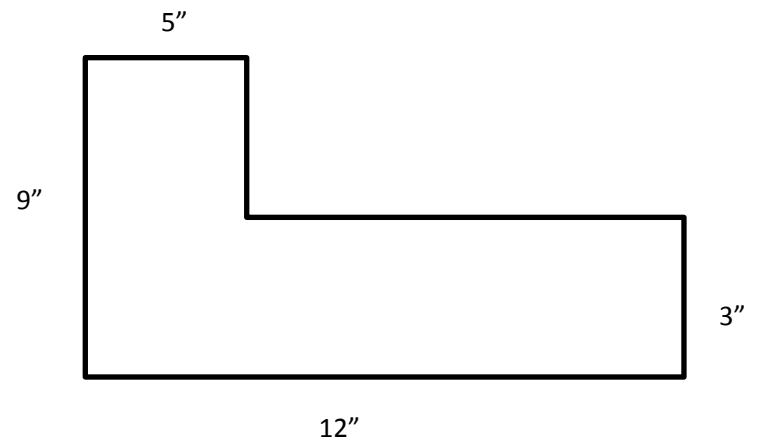
**16.** The average of four tests is 80. If the first three are 68, 75, and 93, find the 4<sup>th</sup> test grade.

In a right triangle, the hypotenuse is 10cm and one leg is 8cm.

17. What is the perimeter?

18. What is the area?

20. Assume all angles are right angles.



19. What is the perimeter?

20. What is the area?