

MATH 161 HOMEWORK 1 NAME: \_\_\_\_\_

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[ Run: 01/16/2017 at 19:9 Seed: 6477. Order of Checkable Items: List.]

**Response Grid** (Check the appropriate boxes thus:  )

Question	a	b	c	d	e
1					
2					
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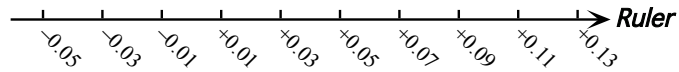
After having read the chapter *pencil in hand* and done this HOMEWORK :

i. What was the most important *idea* in the chapter? Be very *specific*.

ii. What question(s), if any, would you not be able to do on the EXAM?

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Hw 1-1. Given the following quantitative ruler,



which of the following bunches of numbers, if any, is(are) all *bounded numbers*?

M.  $+0.01, +0.02, +0.03, +0.04, +0.05, +0.06, +0.07$

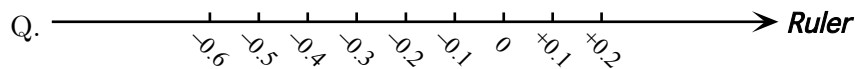
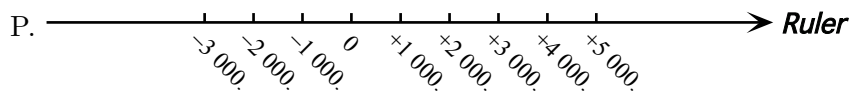
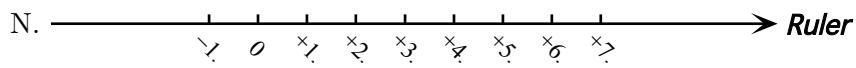
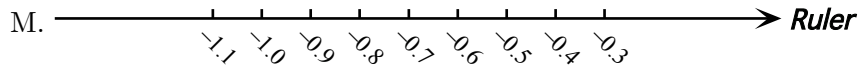
N.  $-0.01, 0.00, +0.03, +0.05$

P.  $-0.05, -0.03, -0.01, +0.01, +0.03$

Q.  $+0.09, +0.11, +0.05, +0.13, +0.15, +0.17$

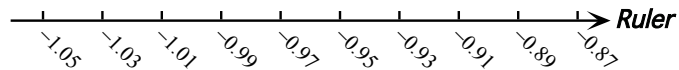
- a. M      b. N and P      c. P and Q      d. P  
e. None of the preceding

Hw 1-2. For which of the following ruler(s), if any, is the number  $-0.124$  *bounded*?



- a. M and Q,      b. All,      c. N, P and Q,      d. Q  
e. None of the preceding

Hw 1-3. Given the following quantitative ruler,



which of the following bunches of numbers, if any, is (are) all *out of bounds*?

P  $-1, -2$

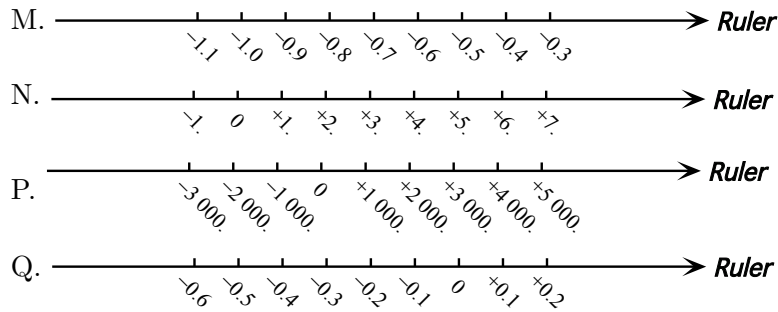
Q  $-1$

R  $-2$

S  $-1, +1$

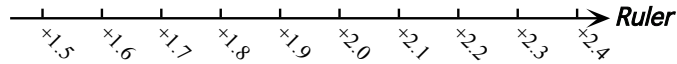
- a. P.      b. Q.      c. R.      d. S.  
e. None of the preceding

*Hw 1-4.* For which of the following ruler(s), if any, is the number  $-1.1$  *out of bounds*?



- a. N and Q      b. M, N and Q      c. Q      d. P  
e. None of the preceding

*Hw 1-5.* Given the following quantitative ruler,

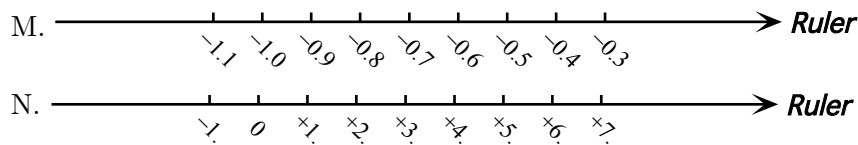


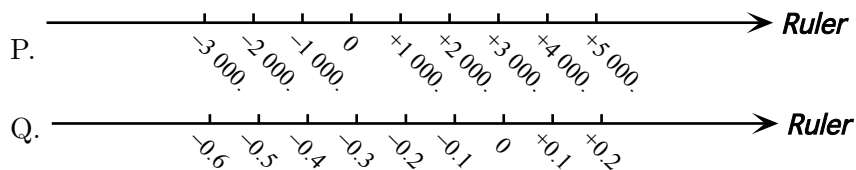
which of the following, if any, is (are) *bounded numbers*?

- P  $+1, +2, +3, +4$   
Q  $+1.8, +2.4$   
R  $-2$   
S  $+1.68, +1.69$

- a. P      b. Q      c. R      d. S  
e. None of the preceding

*Hw 1-6.* For which of the following ruler(s), if any, is the number  $-0.6$  *bounded*?





- a. All,      b. M,      c. None,      d. M and Q  
e. None of the preceding

*Hw 1-7.*  $0.0002 \times 0.000003$  is *small, large, bounded?*

- a. small      b. large      c. bounded      d. Can't tell  
e. None of the preceding

*Hw 1-8.*  $0.000002 \div 0.000003$  is *small, large, bounded?*

- a. small      b. large      c. bounded      d. Can't tell  
e. None of the preceding

*Hw 1-9.* Is  $300\,000\,000. \times 0.002$  *small, large, bounded?*

- a. small      b. large      c. bounded      d. Can't tell  
e. None of the preceding

*Hw 1-10.*  $6000. \div 30000000.$  is *small, large, bounded?*

- a. small      b. large      c. bounded      d. Can't tell  
e. None of the preceding

*Hw 1-11.* Which of  $-321.5, -0.007, +23.86, +247.0$  is *largest?*

- a.  $-321.5$       b.  $-0.007$       c.  $+23.86$       d.  $+247.0$   
e. None of the preceding

*Hw 1-12.* Which of  $-321.5, -0.007, +23.86, +247.0$  is *largest-in-size?*

- a.  $-321.5$       b.  $-0.007$       c.  $+23.86$       d.  $+247.0$   
e. None of the preceding

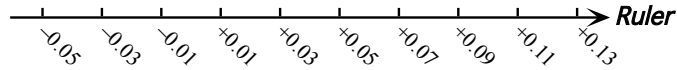
*Hw 1-13.* Which of  $-321.5, -0.007, +23.86, +247.0$  is *smallest?*

- a.  $-3021.5$       b.  $+0.007$       c.  $+23.86$       d.  $+247.0$   
e. None of the preceding

*Hw 1-14.* Which of  $-321.5, -0.007, +23.86, +247.0$  is *smallest-in-size?*

- a.  $-3021.5$       b.  $+0.007$       c.  $+23.86$       d.  $+247.0$   
e. None of the preceding

Hw 1-15. Given the following quantitative ruler,



which of the following bunches of numbers, if any, is(are) all *numbers* bounded?

M. +0.01, +0.02, +0.03, +0.04, +0.05, +0.06, +0.07

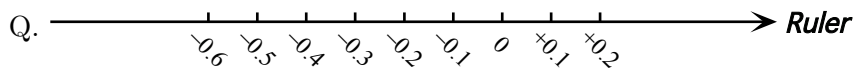
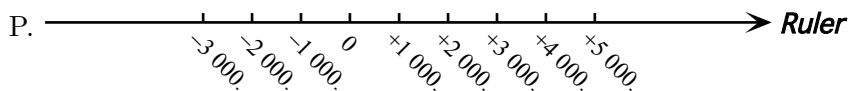
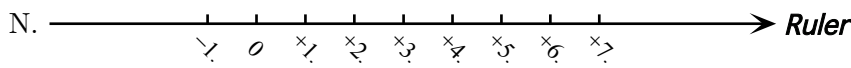
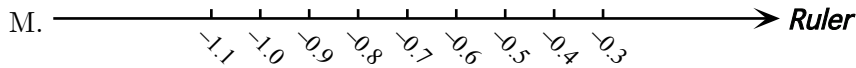
N. -0.01, 0.00, +0.03, +0.05

P. -0.05, -0.03, -0.01, +0.01, +0.03

Q. +0.09, +0.11, +0.05, +0.13, +0.15, +0.17

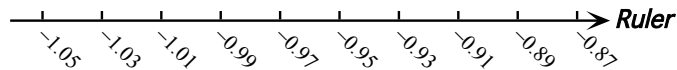
- a. M      b. N and P      c. P and Q      d. P  
e. None of the preceding

Hw 1-16. For which of the following ruler(s), if any, is the number  $-0.124$  *bounded*?



- a. M and Q,      b. All,      c. N, P and Q,      d. Q  
e. None of the preceding

Hw 1-17. Given the following quantitative ruler,



which of the following bunches of numbers, if any, is (are) all *out of bounds* numbers?

P -1, -2

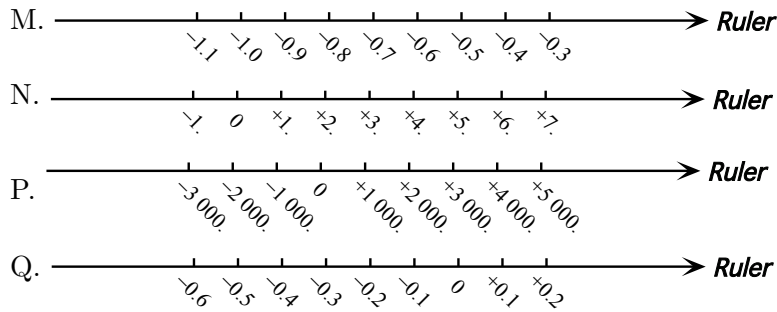
Q -1

R -2

S  $-1, +1$ 

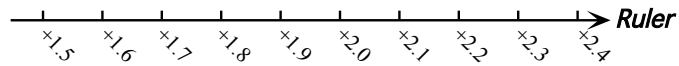
- a. P      b. Q      c. R      d. S.  
e. None of the preceding

*Hw 1-18.* For which of the following ruler(s), if any, is the number  $-1.1$  *out of bounds*?



- a. N and Q      b. M, N and Q      c. Q      d. P  
e. None of the preceding

*Hw 1-19.* Given the following quantitative ruler,

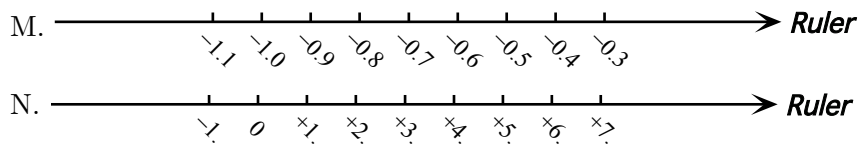


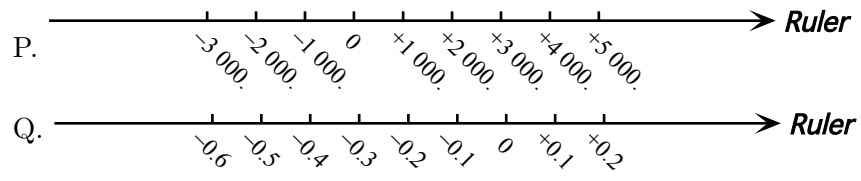
which of the following, if any, is (are) *bounded* numbers?

- P  $+1, +2, +3, +4$   
Q  $+1.8, +2.4$   
R  $-2$   
S  $+1.68, +1.69$

- a. P      b. Q      c. R      d. S  
e. None of the preceding

*Hw 1-20.* For which of the following ruler(s), if any, is the number  $-0.6$  *bounded*?





- a. All,      b. M,      c. None,      d. M and Q  
e. None of the preceding