

A Perfect Practice Chapter 2 Test

Mr. Burns

Honors Alg 1

Name _____

Date _____

Fill in the blanks. (3 pts each)

1. Any rational number can be written as either a _____ decimal or a _____ decimal.

2. _____(s) are used to indicate that a certain decimal continues on forever with not pattern.

3. Give an example of the Associative Property of Addition. (3 pts.)

Give an example of a number that would satisfy these rules. (2 pts each)

4. A number that is whole but not counting. _____

5. A number that is an integer but not natural. _____

6. A number that is rational, but not an integer. _____

Honors Alg 1

10. -238, 67

= ? _____

g. $-11 + 11 = 0$

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Honors Alg 1

Let $x = -2$, $y = -6$, $z = 2$. Evaluate each expression. (2 pts each)

13. $x - y$

14. $|y - x| + x$

15. $x + z^2 \cdot y$

16. $\frac{xyz}{z - y}$

Examine the following situation and answer the questions. (5 points)

17. Jessie and Max were working on their Alg 1 homework when Jessie looked over at Max's answer to number five. She got a different answer and couldn't figure out why. Here is the problem.

#5. $3x + 2 - (2x + 3)$

Max's work:

$$\begin{aligned} &3x + 2 - (2x + 3) \\ &3x + 2 - 2x + 3 \\ &3x - 2x + 2 + 3 \\ &x + 5 \end{aligned}$$

Circle the incorrect part.

What property is Max performing incorrectly?

What would you say to Max if you were explaining to him how to do the problem correctly.

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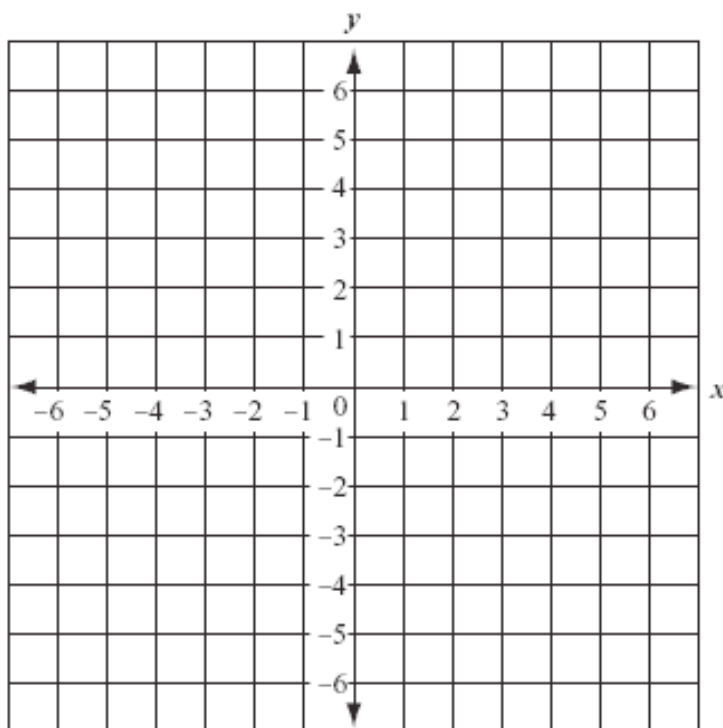
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18. Complete the table for the following equation. $y = -4 - |x + 2|$ (5 pts.)

X	-3	-2	-1	0	1	2	3
y							

19. Graph the absolute value equation. (5 pts.)



Simplify each expression. (3 pts each)

20. $(4x + 1) + (5x - 6)$

21. $(8r - 2) - (3r - 1)$

22. $3(5x - 18)$

23. $-w(-2w - 9)$

24. $\frac{32r^2 + 4r}{4r}$

