Name: Date:

Algebra I QE Test Revisions

Rewrite incorrect problems, solutions and strategies in the boxes as we discuss.

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More Practice on Chapter 1

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| 1. | 2. | 3. | 4.  |
| 5.  | 6. -2k(-3k + 4) -7 | 7.  | 8. –n(n + 2) – 2n  |
| 9. -3 + 6x(-4x + 3) | 10.  | 11.  | 12. |

13. Estimate the following square roots to the nearest tenth.

A. $\sqrt{38}$ B.$ \sqrt{15}$ C. $\sqrt{119}$

14. What is the multiplicative inverse of the following number 8$\frac{1}{6}$?

15. What is the additive inverse of -10$\frac{3}{8}$?

16. Use the following equation to answer the following: $2x^{3}-4x^{2}+9x-17 $

1. Exponent of the term with highest power. \_\_\_\_\_\_\_
2. Coefficient of the x term. \_\_\_\_\_\_\_
3. Constant of the expression. \_\_\_\_\_\_\_
4. Coefficient of $x^{3}$ term. \_\_\_\_\_\_\_
5. Exponent of the $x^{2} $term. \_\_\_\_\_\_\_

17. Summarize the following properties/ terms:

Commutative

Associative

Identity of Multiplication

Additive Inverse

Multiplicative Inverse

Additive Identity

Solution of an equation

18. Lin and Joe are tracking the progress of their plant’s growth. On day one Lin’s plant is 10 cm and Joe’s is 16 cm. On day two Lin’s is 14cm and Joe’s is 20cm. On day three Lin’s is 18cm and Joe’s is 24 cm. Create a table with the data and write and equation that describes the relationship between Lin and Joe’s plant height.

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19. Solve.

A. $\left(-9\right)^{2}$ B. $-9^{2}$ C. $\left(-9\right)^{3}$ D. $-9^{3}$