Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_

GSE Algebra 1 Unit 2 Quiz 1 Review

1. Complete each proof.

|  |  |
| --- | --- |
| **Statement** | **Reason** |
|   |  |
|  |  |
|  | Subtraction Property of Equality |
|  |  |

1. b.

|  |  |
| --- | --- |
| **Statement** | **Reason** |
|  |  |
|  | Distributive Property |
|  |  |
|  |  |
|  | Division Property of Equality |
|  |  |

1. Given 4x + 3x – 5 = 4…
	1. Based on the given above, which of these statements results from the ***addition property***?

7x – 5 = 4 OR 4x + 3x = 9 (circle one)

* 1. Based on the given above, which of these statements results from ***combining like terms***?

7x – 5 = 4 OR 4x + 3x = 9 (circle one)

* 1. Explain the differences between parts a and b.
1. Given 6x – 8(x – 5) = 2x…
	1. Which of the following is a correct statement, based on the given above?

6x – 8x + 40 = 2x OR 6x – 8x – 40 = 2x (circle one)

 What is the reason this statement is true?

1. Which of the following is a correct statement, based on the given above?

-8(x – 5) = 8x OR -8(x – 5) = -4x (circle one)

What is the reason this statement is true?

1. Which of the following is a correct statement, based on the given above?

8(x – 5) – 6x = 2x OR 2x = 6x – 8(x – 5) (circle one)

What is the reason this statement is true?

1. Which of the following is a correct statement, based on the given above?

3x – 4(x – 5) = x OR 3x – 8(x – 5) = x (circle one)

What is the reason this statement is true?