

**6.EE.4 Study Guide**

1.  **Use pencil and paper to answer the question.**

Identify whether the expressions are equivalent. Circle the correct response.

$8(5y - 6) - 7y$	is equivalent to	$-33y - 48$
	is not equivalent to	

2.  **Use pencil and paper to answer the question.**

Identify whether the expressions are equivalent. Circle the correct response.

$5(9y - 3) - 7y$	is equivalent to	$38y - 15$
	is not equivalent to	

3.  **Use pencil and paper to answer the question.**

Identify whether the expressions are equivalent. Circle the correct response.

$K + K + K + K + K + K$	is equivalent to	$6K$
	is not equivalent to	

4.  **Use pencil and paper to answer the question.**

Identify whether the expressions are equivalent. Circle the correct response.

$5(9y - 2) - 8y$	is equivalent to	$37y - 10$
	is not equivalent to	

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5.  **Use pencil and paper to answer the question.**

Identify whether the expressions are equivalent. Circle the correct response.

$2x + 8 - 5x$	is equivalent to	$5x + 8$
	is not equivalent to	

6.  **Use pencil and paper to answer the question.**

Identify whether the expressions are equivalent. Circle the correct response.

$4x + 6 + 8x$	is equivalent to	$18x + 6$
	is not equivalent to	

7.  **Use pencil and paper to answer the question.**

Identify whether the expressions are equivalent. Circle the correct response.

$K + K + K + K + K + K + K$	is equivalent to	$K + 7$
	is not equivalent to	

8.  **Use pencil and paper to answer the question.**

Identify whether the expressions are equivalent. Circle the correct response.

$9x - 8 - 4x$	is equivalent to	$-3x - 8$
	is not equivalent to	

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9.  **Use pencil and paper to answer the question.**

Identify whether the expressions are equivalent. Circle the correct response.

$K + K$	is equivalent to	$2K$
	is not equivalent to	

10.  **Use pencil and paper to answer the question.**

Identify whether the expressions are equivalent. Circle the correct response.

$8(3y - 9) - 2y$	is equivalent to	$-22y - 72$
	is not equivalent to	

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

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### **Answer Key**

1. is not equivalent to
2. is equivalent to
3. is equivalent to
4. is equivalent to
5. is not equivalent to
6. is not equivalent to
7. is not equivalent to
8. is not equivalent to
9. is equivalent to
10. is not equivalent to