Review for Common Assessment Part 2

6.EE.B.5, 6.EE.B.7, 6.EE.B.8, 6.EE.C.9

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| 6.EE.B.5 Choose a solution for an equation or an inequality.* Step one-Rewrite the equation or inequality, using ( ) instead of the variable.
* Step two-Try each one with the value for the variable, or values if working with a set of numbers.
* If working with an inequality, write the word that the inequality means.
* Select the solution that makes the equation true. With an inequality, you may have more than one answer.

Try these!Select the equation that has n=20.19 as a solution. Rewrite your equations using ( ). n + 20 = 20.2019 3n=60.57 40.16 + n = 42.179 4n = 80.4 ( ) + 20 = 20.2019 are both sides equal?Select the equation that has k = 4.48 as a solution. Rewrite your equations using ( ).  k + 17 = 20.8 6k=25 50.1 + k = 54.58 2k = 13.44 ( ) + 17 = 20.8 are both sides equal?Select the set of numbers that could be values for y in the inequality y < 7. Rewrite the inequality and try each number in the set. EVERY number must work for the set to work.y is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 7 { -3, -2, 0} { 2, 6, 9} { 7, 8, 9 } { 10, 11, 12 } Select the set of numbers that could be values for f in the inequality f > 8. f is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8  { 3, 7, 9 } { -6, -2, 0 } { 2, 4, 6 } { 11, 12, 13 }Be sure to check all of the numbers in each set. All must work for the entire set to work. |
| 6.EE.B.7 Find the solution to an equation.* Always do the opposite operation in the equation.
* It’s good to check your answer!
* Use the box method for story problems!

Find the solution for the equation below-show your work! k + 32 = 89 a. 52 b. 57 c. 62 d. 67Find the solution for equation below-show your work! 5d=90 a. 20 b. 15 c. 18 d. 17Sara wanted to buy headbands that cost $2.50. She went to the store and bought some. She spent $17.50. Which equation can be used to solve for how many headbands, h, she bought?1. 2.50 + h = 17.50 b. 2.50h = 17.50 c. 17.50 – h = 2.50 d. 17.50h = 2.50

Chris wants to buy some game cards. He has saved $14.00 total but needs $23.00 before he can buy what he wants. Which equation shows how much he needs to still save, m, before he can go shopping?1. 23m = 14.00 b. 14.00+m = 23.00 c. 23.00 + m = 14.00 d. 14m = 23.00
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| 6.EE.B.8 Graph an inequality.* Rewrite the inequality using words-this will help you decide which way the arrow goes.
* Decide open circle or shaded circle. How would you know the difference?
* Draw your number line. Put at least three numbers on your number line-one before the number, the number in your inequality, and then the number that comes after.
* Draw your arrow.

Graph these inequalities: d < -2.5 c > 3.1 r < -40 Choose the pair of inequalities that model the possible measurements of this problem.Tommy is working on a project for tech ed. He is building a box that will be used to store extra books. The box must be bigger than 48 inches and smaller than 72 inches. Use b for the variable.b < 48 and b < 72 72 < b and 48 < b b > 48 and b <72 |
| 6.EE.C.9 Independent and Dependent VariablesDescribe an independent variable:Describe a dependent variable:

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The top is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ variable. ( )The bottom is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_variable. ( )Mike started saving for a new pair of shoes. He started with $0 and plans to save $10.00 each week from his part time job. Which table show shows how the number of weeks and the amount saved are related?

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| 0 week | 1 week | 2 wks | 3 wks |
| $0 | $10.00 | $20.00 | $30.00 |

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| --- | --- | --- | --- |
| 1 week | 2 wks | 3 wks | 4 wks |
| $10.00 | $10.00 | $10.00 | $10.00 |

|  |  |  |  |
| --- | --- | --- | --- |
| 0 week | 1 week | 2 wks | 3 wks |
| $10.00 | $20.00 | $30.00 | $40.00 |

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| --- | --- | --- | --- |
| 1 week | 2 wks | 3 wks | 4 wks |
| $10.00 | $20.00 | $40.00 | $80 |

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