7.NS-EE Take Home Quiz-H Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

| Grid | Problem | Work |
| --- | --- | --- |
|  | Solve: 33 = -3(2 - 4x) |  |
|  |  Solve: 3x + 2(x -5) = 50 |  |
|  | Simplify: -2[ (1/2)2 - 22 ] |  |
|  | Melissa divided 5 dozen flowers into 3 baskets to give as presents. The first basket had (x + 8) flowers, the second basket had ( 2x ) flowers, and the third basket had (x + 12) flowers. How many flowers were in the basket that had the *most* flowers?Hint: draw a model |  |
|  | Trent is using the linear equation x + y = 2 to plot a line on graph paper.If ( x, —4 ) are the coordinates of a point on the line, what is the value of x? |  |

| Grid | Problem | Work |
| --- | --- | --- |
|  | A baker made two cakes the same size. At the end of the day there was* 1/2 the chocolate cake left
* 2/3 of the vanilla cake left.

The baker divided the remaining chocolate cake into 2 equal pieces and the vanilla into 3 equal pieces.Which cake flavor had the larger pieces and by how much?? |  |
|  | Home Depot sells fans.* the retail price was a 30% markup over the manufacturing price.
* two months later, the store reduced the price by 20%

What percent markup is the new retail price over the manufacturer price? |  |
|  | Simplify: -2[32 + (1/3)2] |  |
|  | There are 24 students in my class. I sent home a list of items I needed for the class.• two-third of the students brought tissues* one-fourths brought glue
* the rest brought markers

How many students brought markers? |  |
|  | Simplify: 32/9 - 41/2* grid your answer as an

 improper fraction in lowest terms |  |