~ For **problem 7**, use "function composition" (remember, substitute g(x) in for x in h(x) - we did this a while ago, and you did really well with it!).

~ Check out this link for a refresher on how to do **9 and 10**: <https://www.khanacademy.org/math/algebra/one-variable-linear-inequalities/compound-inequalities/v/compound-inequalities>(there seem to be 2 examples like #9 and one like #10 in this video)

~ For **problem 12**, you can use the transformation rules.  In this case, the function's vertex starts left 1 and up 4, and the slope is 3.

~ Try to follow this example for **13 and 14**:

Say you want the equation of a line with slope 1/2 that passes through the point (-4, 6).

Use y = mx + b, and m = 1/2, x = -4, and y = 6

This gives you 6 = (1/2)(-4) + b using substitution.  So solve for b.

6 = -2 + b

8 = b

Then use the  m(slope) you were given, and b (y-intercept value you solved for) to write the equation

y = mx + b; in this case y = 1/2x + 8.

~ Check out these links for a refresher on how to do **21-23**:

<https://www.youtube.com/watch?v=0Wh5mNGEmBE>(first 5 minutes)

<https://www.youtube.com/watch?v=AaDCAq1f-cg>

Of course, let me know if you have any questions.  Have a wonderful extended weekend!