1. Solve the formulas for the given variable.

a) \( A = bh \), for \( h \)

b) \( d = h - 64 \) for \( h \)

c) \( 2x - 3y = 6 \) for \( y \)

2. Solve the given inequality. Then sketch the result on a number line.

a) \( x + 3 \geq 15 \)

b) \( -4t < 12 \)

c) \( -\frac{1}{2}n \geq 2 \)

THE FOLLOWING TYPE OF PROBLEM WILL NOT BE ON THE EXAM, BUT YOU MAY WANT TO TRY IT ANYWAY

3. I only have enough paint to cover 108 square feet of wall space. Given the wall below, what possible values of \( w \) will allow me to paint the wall without having to run to the store to buy more paint?

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12 feet

w feet
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Write an inequality to represent the problem. Solve for w and answer the question in a complete sentence.