2.a) (b * b - 4 * a + c) / (2 * a)
Postfix: / + - * b b * 4 a c * 2 a
Prefix: b b * 4 a * - c + 2 a * /

b)The floating point count returns a 101 and the integer returns a 100. The reason of this is because in floating point a 0.1 is actually a 0.099999999999... Thus, when the for loop hits 0.9999999... it is actually less than 1 so it passes. The next loop will put it over 1 so the condition fails giving it an extra count.