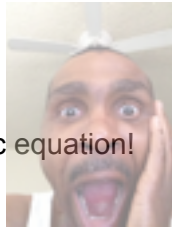


The Aspect Ratio (AR) of an aircraft's wing is the ratio of the square of its wingspan (b) to the wing area (S). The formula is as follows:

$$AR = \frac{b^2}{S}$$

Yes, this is an algebraic equation!



The Gulfstream G650 (yeah, like the singer who says, "...fly like a G6.."), has an Aspect Ratio of 7.7. If the wing area (S) is 1,283 ft<sup>2</sup>, **determine the G650's wingspan (b).**

#### Task requirements

- Show work, neat, sequenced, solution boxed and circled.
- Show your result 1) as a decimal, 2) in feet and inches, 3) in scientific notation (ft).
- Typed, Times New Roman font, 12 pitch
- Due: Wednesday, 29 Oct 14, 0759hrs!!!