Lowercase Alpha Examples with SimBraille

1. The secant of alpha equals the square root of two is written
   \( \sec \alpha = \sqrt{2} \)

2. The cosecant of alpha equals open fraction one over the sine of alpha close fraction is written
   \( \csc \alpha = \frac{1}{\sin \alpha} \)

3. The tangent of open parenthesis pi minus alpha close parenthesis equals negative tangent of alpha is written
   \( \tan(\pi - \alpha) = -\tan \alpha \)

4. The sine of two alpha equals two sine alpha cosine alpha is written
   \( \sin 2\alpha = 2 \sin \alpha \cos \alpha \)

5. The cosine of open parenthesis negative alpha close parenthesis equals the cosine of alpha is written
   \( \cos(-\alpha) = \cos \alpha \)
6. One plus tangent squared alpha equals secant squared alpha is written

\[ 1 + \tan^2 \alpha = \sec^2 \alpha \]