Lowercase Phi Examples with SimBraille

Note: Phi can be written 2 different ways in print, but only one way in braille.

1. Lowercase phi equals open fraction pi over two close fraction is written
\[ \phi = \frac{\pi}{2} \]

2. Open fraction one over the secant of phi close fraction equals the cosine of phi is written
\[ \frac{1}{\sec \phi} = \cos \phi \]

3. The cosine of open parenthesis pi minus phi close parenthesis equals negative cosine of phi is written
\[ \cos(\pi - \phi) = -\cos \phi \]

4. The cosine of two phi equals two cosine squared phi minus one is written
\[ \cos 2\phi = 2\cos^2 \phi - 1 \]

5. Cosine squared phi equals one minus sine squared phi is written
\[ \cos^2 \phi = 1 - \sin^2 \phi \]
6. The secant of open parenthesis negative phi close parenthesis equals the secant of phi is written

$$\sec(-\phi) = \sec \phi$$

$$\sec \phi$$