Phi (lowercase) Samples 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

   $$\phi = \frac{\pi}{2}$$

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2. Open fraction one over the secant of phi close fraction equals the cosine of phi is written

   $$\frac{1}{\sec\varphi} = \cos\varphi$$

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3. The cosine of open parenthesis pi minus phi close parenthesis equals negative cosine of phi is written

   $$\cos(\pi - \phi) = -\cos\phi$$

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4. The cosine of two phi equals two cosine squared phi minus one is written

   $$\cos 2\varphi = 2\cos^2\varphi - 1$$

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5. Cosine squared phi equals one minus sine squared phi is written

   $$\cos^2\varphi = 1 - \sin^2\varphi$$

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6. The secant of open parenthesis negative phi close parenthesis equals the secant of phi is written

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