61 $81 = 81(\cos 0° + i \sin 0°)$

$$w_0 = \sqrt[4]{81}\left(\cos\frac{0° + 360° \cdot 0}{4} + i\sin\frac{0° + 360° \cdot 0}{4}\right) = 3(\cos 0° + i\sin 0°) = 3$$

$$w_1 = \sqrt[4]{81}\left(\cos\frac{0° + 360° \cdot 1}{4} + i\sin\frac{0° + 360° \cdot 1}{4}\right) = 3(\cos 90° + i\sin 90°) = 3i$$

$$w_2 = \sqrt[4]{81}\left(\cos\frac{0° + 360° \cdot 2}{4} + i\sin\frac{0° + 360° \cdot 2}{4}\right) = 3(\cos 180° + i\sin 180°) = -3$$

$$w_3 = \sqrt[4]{81}\left(\cos\frac{0° + 360° \cdot 3}{4} + i\sin\frac{0° + 360° \cdot 3}{4}\right) = 3(\cos 270° + i\sin 270°) = -3i$$

This result is verified with the calculator in *Figures 61a* and *61b.*

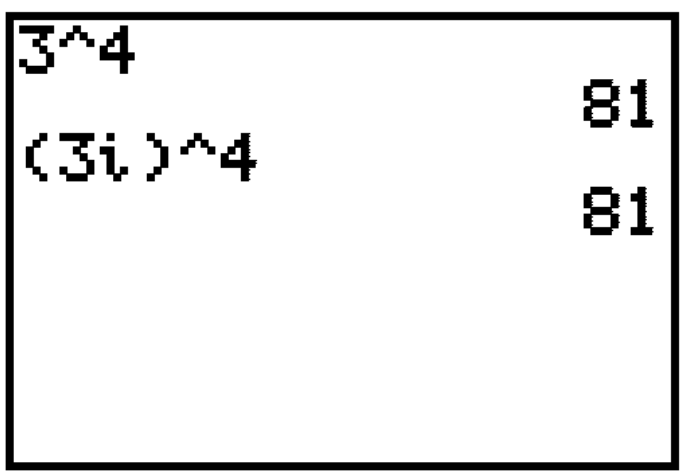

Figure 61a

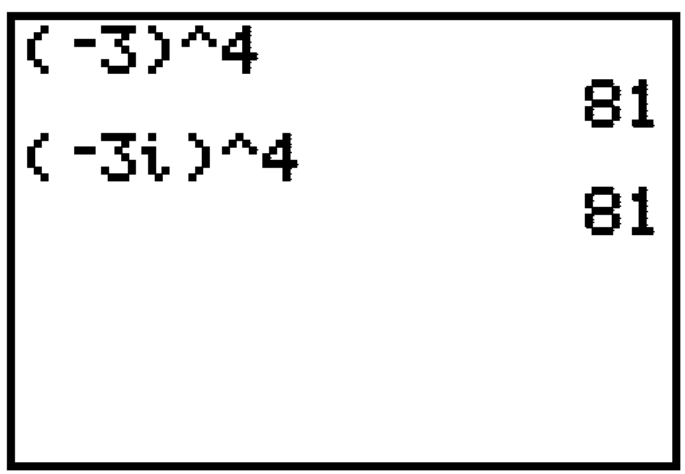

Figure 61b