

Turn in starred problems Tuesday 2/13/2007.

Section 21.5: 15 \*(a), (b), \*(d). For (d), work in polar coordinates. In these coordinates you can use equation (1) of section 20.3 to determine if a given function is harmonic, and the appropriate Cauchy-Riemann equations (equations (30) of Section 21.5) to construct the conjugate harmonic function of a given harmonic function.

\*16 (a), (c).

Section 22.2: \*1.