

Due Monday Sept 17 at class time. You may use your book and notes but not your friend, tutor or internet (other than videos in the book!)

In the Stewart *Precalculus* e-book/textbook, following directions there for the following.  
Show all your work!

Sec 3.1 #24 all parts. Use standard form of a quadratic  $y = a(x - h)^2 + k$  to find vertex  $(h, k)$ . You can check your vertex by comparing it to  $(-b/2a, f(-b/2a))$  of the quadratic form  $f(x) = ax^2 + bx + c$ .

Sec 3.2 #24

Sec 3.3 #20 You may use either synthetic or long division of polynomials

Sec 3.4 #32