**Problem 7:**
Construct a root locus using positive $K$ for the following pole-zero plot of $G(s)H(s)$. Include (a) real axis locus segments, (b) asymptotic angles, (c) asymptotic centroid, (d) breakaway or entry points, and (e) angle of departure from top pole.

(a) $s =$

(b) $\theta =$

(c) $\sigma =$

(d) $s =$

(e) $\phi =$