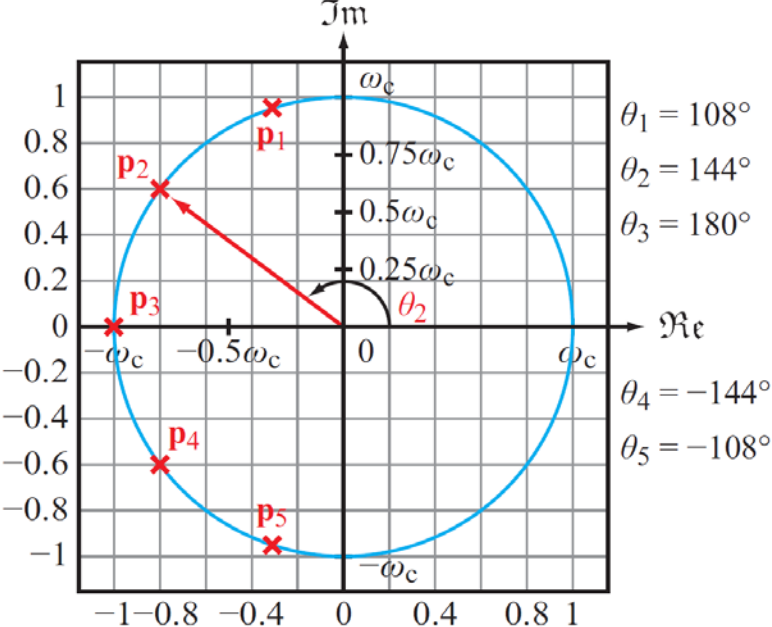


Concept Question 6-13: What statement applies to the poles of a Butterworth filter of any order with a cutoff frequency of 1 rad/s?

All the poles lie on a circle of radius 1 in the complex plane, as in Fig. 6-39(a):



(a) s-plane pole locations for $n = 5$