## PROBLEM: In the rotating disk and strobe demo shown in class we observed that different flashing rates of the

following, assume that the disk is rotating | clockwise | at a constant speed of 660 rpm (that's per minute).

(a) If the flashing rate is 160 times per minute, express the position of the spot on the disk as a

strobe light would make the spot on the disk stand still or move in different directions. For the

- complex phasor p[n] versus the flash number n.
- (b) Determine the speed (in rotations per minute) and direction of movement of the spot.
- (c) Determine the flashing rate so that the spot will move counter-clockwise at a rate of 10

rotations per minute. Give all possible flashing rates such that this will happen.