Problem Session 10

In the reverted train shown below, find the speed and direction of rotation of the arm if the gear 2 is unable to rotate and gear 6 is driven at 12 RPM in the clockwise direction.



Tooth numbers for the gear train shown ar N2 = 12, N3 = 16, N4 = 12. How many teeth must internal gear 5 have? Suppose gear 5 is fixed. What is the speed of the arm if the shaft a rotates counterclockwise at 320 rpm?



The mechanism train show consists of an assortment of gears and pulleys to drive gear 9. Pulley 2 rotates at 1200 rpm in the direction shown. Determine the speed and direction of the rotation of gear 9

