

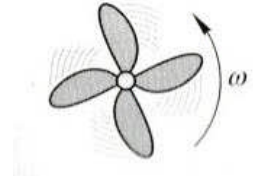
Name: _____ Date: _____
Physics



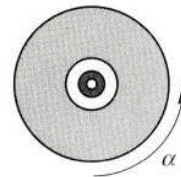
Review Three

DIRECTIONS: Draw a diagram, choose equations and solve. SHOW YOUR WORK!

- _____ 1. At $t=0$ s, the fan had an angular speed velocity of 1.0 radian per second.
_____ At $t=12$ s, it had an angular velocity of 85 radians per second. Find the angular acceleration and angular displacement.



- _____ 2. A grinder wheel has a constant acceleration of 5.00 radians/s².
_____ a) If the initial angular velocity is 2.00 radians/s, find the angular speed after 20.0 seconds.



- _____ 3. A thin disk is rotating with an angular velocity 23.0 radians/second. It then accelerates at a constant rate of 3.40 radians/s².
_____ a) Find angular velocity of the disk after 4.50 seconds.

- b) Find angular displacement of the disk after 4.50 seconds.

“What do you do with a mistake: recognize it, admit it, learn from it, forget it” – Dean Smith