Name: Algebra I	JMJ Date:
<u>Directions</u> : Form let statement(s), set up an	algebraic equation, and solve algebraically.
1. John weighs 40 pounds and sits 3 feet much does Tom weigh?	from the fulcrum of a seesaw. Tom sits 4 feet from the fulcrum. How
2. Jane sits 5 feet from the fulcrum of a smuch does Jane weigh?	seesaw. Joey sits 6 feet from the fulcrum and weighs 60 pounds. How
3. Linda and Joanne sit 10 feet apart on a is the fulcrum from each girl.	a seesaw. If Linda weighs 80 lbs. and Joanne weighs 120 lbs., how far
4. The diameter of a pulley is 8 in. and rethe second pulley spinning?	otates at 400 rpm while attached to a 4 in. diameter pulley. How fast is

6. If a 4 cm pulley is rotating at 360 rpm, and is attached to a pulley rotating at 120 rpm, how big is the second pulley?

5. If a 5 in. radius pulley is rotating at 240 rpm, and is attached to a 6 in. diameter pulley. How fast is the

second pulley spinning?