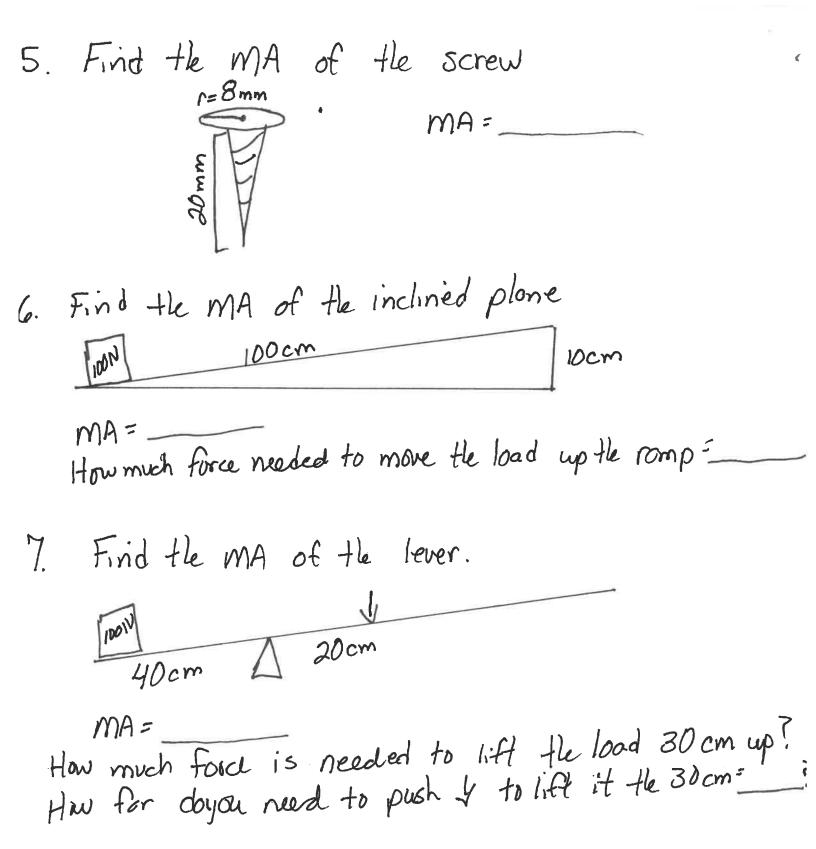
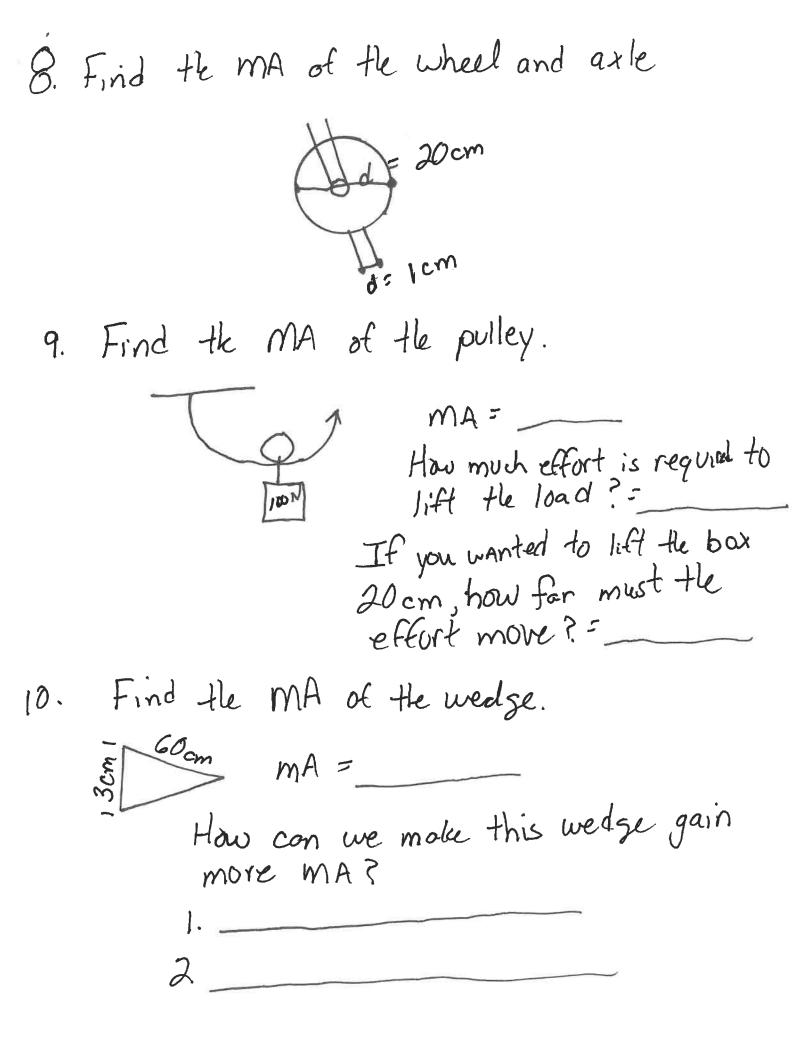
Questions:

- 1. What are the 6 types of simple machines?
- 2. What is mechanical advantage?
- 3. What are the three types of levers and how does each work?
- 4. How do you calculate the mechanical advantage of a lever?
- 5. How do you calculate the mechanical advantage of a wheel and axle?
- 6. What are two things that pulleys do?
- 7. How do you find the mechanical advantage of movable pulleys?
- 8. If the slope of an incline plane is 50ft and the height of the ramp is 5ft what is the mechanical advantage?
- 9. What are two differences between a wedge and an incline plane?
- 10. Give two examples of wedges that people use for everyday applications?
- 11. What is the pitch on a screw?
- 12. Calculate the pitch of a screw with 30 threads with each thread being 6mm apart.
- 13. What is the formula for work?
- 14. What are four ways that simple machines make work easier?
- 15. What happens when a force is applied to a wheel to make the axle spin if the distance and speed decreases?

	Nome
1.	Find the mechanical advantage of the lever
	below. After you find the MIM, act of miles
	much effort force you must apply to move the
	object up 10 cm. How for must you push down?
	200cm Cffort Force needed =
	100N Distance needed to
	TO BISh of
d.	Find the MA of the wheel and aske lood 10cm =
	The source would be the
	Hoow =
	(400m) MA =
	L= 10 cx
3.	. Find the ma of the pulley
	or the port of
	MA =
	Hay much alled
	force is needed
	How much effort force is needed to lift the load?=
4.	Find the MA of the wedge
	3cm 2cm MA =





12. Find the MA of the inclined plane

1	MA =
Scrn Horn	Haw much effort is needed to move the load?
log by	move the load?

How can we make this inclined plane have more MA?