Work	and	Power	Work	cheet
YYUIK	anu	LOWEL	WULK	SHEEL

Name:			

Work = Force x distance
Power = Work / Time = Force x distance / time

Show your work and REMEMBER YOUR UNITS

- How much work is done when a 26N force moves a box of buffalo chicken wings 2.3m? [2 Points]
- 2. Romeo Santos applies 89N force to move his Ducati 7.5m. How much work did Romeo do? [2 Pts]
- How far will 45J of work raise a bowl of shrimp Alfredo weighing 9N?
 Points
- 4. Beyonce did 146J of work to move a chair 8m to the right during a dance routine. How much force did Beyonce use to move the chair? [3 Points]
- 5. Which is more work: pushing a grocery cart of sushi using 115 N of force over 15m OR pulling cheeseburgers with 20N of force over 10 m? [2 Pts]
- 6. How much power does it take to do 500J of work with Arnold Schwarzeneger in 10 sec? [2 Points]
- 7. How much power does it take to lift Tom Brady using 250 N of force, 40 m high in 2 seconds? [3 Points]
- 8. If it takes 500N to move Imagine Dragon's tour bus, how much power will be needed to move the bus a distance of 5 meters in 5 seconds? [3 Points]