Historical Mechanisms & Calculations

Name:_____

Directions: Open the ***Mechanisms*** PowerPoint on Moodle. Answer the questions on the worksheet that correspond to the correct picture on the ***Mechanisms*** PowerPoint. In the ***Explanation*** section you must describe either which gear is moving faster **or** tell what the ratio means in terms of both gears turning. If you have questions please refer to ***Activity 2.1 Observing Mechanism***s and your notes.

Slide #1

1. The mechanism shown on slide #1 is a _____
2. Is this mechanism designed for speed or torque:_____
3. Is speed increased or decreased on this mechanism: _____

# Teeth Gear A	# Teeth Gear B	Gear Ratio	Explanation
			.

Slide #2

1. The mechanism shown on slide #1 is a _____
2. Is this mechanism designed for speed or torque:_____
3. Is speed increased or decreased on this mechanism: _____

# Teeth Gear A	# Teeth Gear B	Gear Ratio	Explanation
			.

Slide #3

1. Is this pulley designed for speed or torque:_____

Distance Moved By Driven Pulley	Distance Moved By Drive Pulley	Driven to Drive Ratio	Explanation
			.

Slide #4

1. Is this pulley designed for speed or torque:_____

Distance Moved By Driven Pulley	Distance Moved By Drive Pulley	Driven to Drive Ratio	Explanation

			.

Slide #5

# Teeth Gear **A**	# Teeth Gear **B**	Gear Ratio	Explanation
			.

# Teeth Gear **B**	# Teeth Gear **C**	Gear Ratio	Explanation
			.

# Teeth Gear **C**	# Teeth Gear **D**	Gear Ratio	Explanation
			.

# Teeth Gear **D**	# Teeth Gear **E**	Gear Ratio	Explanation
			.

# Teeth Gear **A**	# Teeth Gear **E**	Gear Ratio	Explanation
			.

# Teeth Gear **B**	# Teeth Gear **D**	Gear Ratio	Explanation
			.

# Teeth Gear **C**	# Teeth Gear **E**	Gear Ratio	Explanation
			.

# Teeth Gear **A**	# Teeth Gear **C**	Gear Ratio	Explanation

			.