

# Final Exam Written Work Proficiency Scale

*Clear, organized thinking consistently shown*

## EMERGING

*Beginning to show your thinking across all questions*

- Lists some information randomly
- Shows scattered work without clear order
- Often forgets units and important details
- Incomplete responses across problems
- Attempts basic sketches when helpful

## PROFICIENT

*Clear, organized thinking consistently shown*

- Lists all important information clearly
- Shows logical steps throughout all responses
- Uses units consistently across all responses
- Addresses all parts of every question completely
- Makes clear, labeled sketches consistently when helpful

## DEVELOPING

*Growing understanding of organized thinking*

- Organizes information with some gaps
- Shows work in sequence most of the time
- Uses units sometimes across responses
- Addresses most parts of questions
- Creates labeled sketches in some responses

## EXTENDING

*Exceptional clarity and deep thinking throughout*

- Includes hidden details and assumptions
- Plans approach before starting each response
- Uses units consistently and checks them for accuracy
- Connects ideas across different questions
- Uses multiple sketches when helpful to clarify thinking

### For Calculation Problems:

- List givens and unknowns with units
- Include labeled sketch when helpful
- Show equation steps with units throughout
- Clear final answer with correct units

### For Concept/Explanation Problems:

- State what the question asks
- Include sketch or diagram when helpful
- Give reasoning steps in order
- Connect to physics principles
- Clear final answer with units when applicable