

## Physics 112

Friday, December 8/17

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1. Return Marks -> SA - U3 S1

2. Work-Kinetic Energy Theorem

3. [Worksheet - Textbook - C6 PP #19-21](#)  
[Textbook - C6 PP #22-25](#) | HW

4. Gravitational Potential Energy

5. Reference/Zero Lines

6. Work-Gravitational Potential Energy

7. Worksheet - Textbook - C6 PP #27 and 29  
- Textbook - C6 PP #30 and 33

## Physics 122

Friday, December 8/17

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1. Return Marks -> SA - U2: S3&4 (SHM and Projectiles)
2. Check: Worksheet - Charge and Coulomb's Law
3. Coulomb's Law - Three Charges in a Line  
- Three Charges at Angles
4. [Worksheet - Coulomb's Law - Three Charges](#) | **HW**  
[Textbook: Page 640 - #7 and 8](#)

## Science 10

Friday, December 8/17

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1. Optional Assignment - Graphing Characters (max 2 -20 pts each)  
- Submit before Christmas break.
  2. FA - Ordered Pairs and Slope
  3. Check: Worksheet - Distance vs. Time Graphs
  4. Various Distance vs Time Graphs
  5. Matching a Graph to a Story
  6. [Worksheet - Match a Graph to a Story - HW](#)
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7. Worksheet - Questions About Distance-Time Graphs

**Formative Assessment: Ordered Pairs and Slope**

Name - \_\_\_\_\_

Dec. 8/17

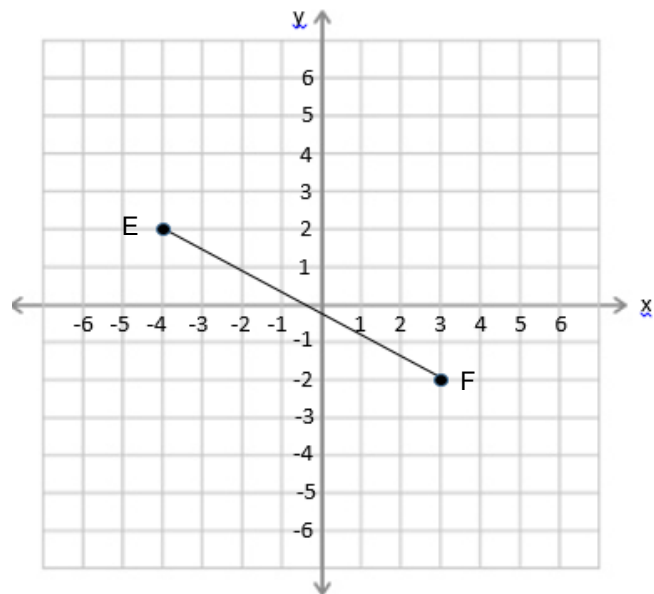
1. Plot the points below and label each using the indicated letter.

$$\mathbf{A} = (4, 3)$$

$$\mathbf{B} = (2, -6)$$

$$\mathbf{C} = (-3, 2)$$

$$\mathbf{D} = (-4, -4)$$



2. a) Write the coordinates of the two endpoints of the line provided on the grid above.

$$E = ( \quad , \quad )$$

$$F = ( \quad , \quad )$$

- b) Calculate the slope of the line on the grid above to 2 significant digits using:

$$m = \frac{\text{rise}}{\text{run}}$$

OR

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$