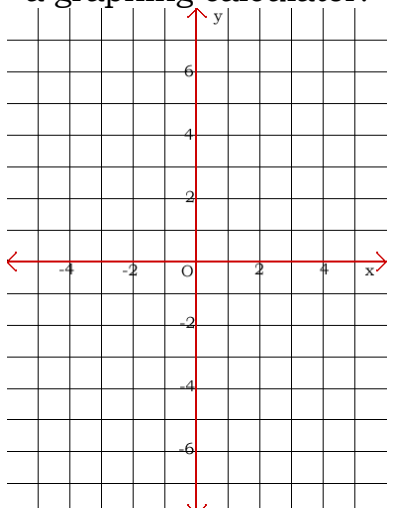


Quick Quiz  
Mathematical Modeling---  
Running a Marathon

Name \_\_\_\_\_  
Class \_\_\_\_\_

Instructions:

Using the given model for running a marathon at a rate of 3.8 miles per hour,  **$d=3.8t$** , answer the following questions using the specific mathematical approach.

<p>1.) How <u>far</u> can a runner run in <u>1.5</u> hours? <span style="border: 1px solid black; padding: 2px;">Algebraic</span></p>	<p>2.) How <u>far</u> can a runner run in <u>1.5</u> hours? <span style="border: 1px solid black; padding: 2px;">Graphic</span> May use a graphing calculator.</p> 
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<p>3.) How <u>long</u> would it take to run <u>10</u> miles? <span style="border: 1px solid black; padding: 2px;">Algebraic</span></p>	<p>4.) How <u>long</u> would it take to run <u>10</u> miles? <span style="border: 1px solid black; padding: 2px;">Numeric</span> May use a graphing calculator.</p>
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