

## Precalc – Warm Up – 1/26/11

Name: \_\_\_\_\_ Period: \_\_\_\_\_

1) Choose the expression that is greater:

a)  $\frac{10-3}{4-1} =$

b)  $\frac{20-6}{5-2} =$

## Precalc – Warm Up – 1/26/11

Name: \_\_\_\_\_ Period: \_\_\_\_\_

1) Choose the expression that is greater:

a)  $\frac{10-3}{4-1} =$

b)  $\frac{20-6}{7-3} =$

# Precalc – Do we really know how fast Bolt is? – 1/26/11

Name: \_\_\_\_\_

Period: \_\_\_\_\_

Students will be able to calculate average velocity for different time intervals
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First, we are going to answer a few questions:

Do you think that Mr. Bolt traveled the same velocity the entire time that he ran the 100 meters? Why or why not?

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Predict how Mr. Bolt's velocity may have changed while he ran the 100 meters?

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Let's add some more information to the question of how fast is Usain Bolt by watching the same video but with time and distance listed on the bottom.

Now, you and your partner are going to answer the question of "What is the fastest that Bolt ran at any time in the race?"

- 1) Strategy - First, you will think about what you are going to do and try to express what you will do without actually doing it.
- 2) Execute - Next, you'll actually try your strategy and see what happens.
- 3) Evaluate - Look back at what happened and decide if you were successful or not and if you need to change anything.
- 4) Communicate - Tell us what you did (in writing and/or verbally) so that we can learn from your experience or help you.

Remember that you have resources available to you including:

Scratch paper, graph paper, calculators, rulers, pencils, markers. Please let me know if there is anything else that you need

Strategy:\_\_\_\_\_

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Execution:

Evaluation: What did you learn? Did you get stuck? What else might you need to know? What else are you interested in learning?

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# Precalc – Exit Slip – 1/26/11

Name: \_\_\_\_\_

Period: \_\_\_\_\_

- 1) Consider the following problem and answer it on the front and back of this page:

Ms. Hanna runs the 100 meters by herself and records her distance and time every 20 meters. What was the fastest that she ran?

	<b>0 meters</b>	<b>20 meters</b>	<b>40 meters</b>	<b>60 meters</b>	<b>80 meters</b>	<b>100 meters</b>
Hanna	0 seconds	5 seconds	9 seconds	13 seconds	15 seconds	20 seconds

Strategy: \_\_\_\_\_

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Execution:

Evaluation: What did you learn? Did you get stuck? What else might you need to know? What else are you interested in learning?

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