Name:	Date:	Period:
	2	1 4110 41.

Rate of Change

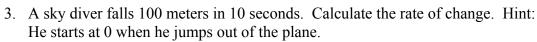
Using your ESRT please answer the following questions. Show all work!

1. A hot air balloon rose from a height of 100 m to 400 m in 3 minutes. What was the balloon's rate of change?





2. A glacier advanced down a mountain from an elevation of 2010 m to 1780 m in 5 years. What was the glaciers rate of change?







4. A missile flies 20 miles in 10 minutes. Calculate the missile's rate of change.

- 5. A student's grade goes from a 95 to a 60 in 3 weeks because they didn't do their homework (this can happen to all of you in this class right now if you slack off!) Calculate the student's rate of grade change.
- 6. A patient's systolic blood pressure drops from 210 mm/Hg to 100 mm/Hg in 10 minutes after they took nitroglycerin. Calculate the patient's rate of change in blood pressure.

