Name:_

Please show all your work for the short answer questions! Answers without supporting work will not be given full credit. Each multiple choice question is worth 2 points. Circle only one answer.

1.	(4 points) A small rock in a sling shot starts at rest and is pulled back 35 cm from where it leaves the slingshot traveling at 28 m/s . What is the magnitude of the acceleration of the rock?
2.	(4 points) Sam is moving on his skateboard 6.0 m/s east and speeds up to 12 m/s east in 14 s . What is Sam's displacement during this time interval (while he is accelerating)?
3.	Sam shoots a bullet straight up at 368 m/s. (a) (2 points) Ignoring air resistance, what height does the bullet reach?
	(b) (2 points) How long is the bullet in the air for before it hits the ground?

