Standard 3 Practice Quiz E

MA 109

| Print Your Name: | ID: |
|---|---|
| Be sure that the ID number above is your correct 8-digit student ID number (without the leading 9). If this number is incorrect or not legible, it will take longer to process your score on this quiz. | |
| This is practice for an in-class assessments on Standard a 4-function calculator. No notes or books may be used must be entirely your own work. | |
| Show all of your work. Your work will be graded on bot is possible. You have 20 minutes to take this quiz. | h accuracy and completeness, and partial credit |
| Be sure to complete both the questions on this page an | d those on the back of this page. |
| 1. Find the domain of each function below. Write answer box. a. $f(x) = \frac{2x-7}{\sqrt{5x+2}}$ | your answer using interval notation in the |
| | Answer: |
| | |
| b. $h(x) = 2\sqrt{7x - 1} + 4$ | |
| | Answer: |

| Suppose f(x) has domain [-2,7] and range (1,3]. Determine the domain and range of each function given below. a. g(x) = ½ f(-x). | |
|--|---|
| | i. What is the domain of $g(x)$? Write your answer using interval notation. |
| | Answer: |
| | ii. What is the range of $g(x)$? Write your answer using interval notation. |
| | Answer: |
| | b. $h(x) = f(x - 2) + 5$. i. What is the domain of $h(x)$? Write your answer using interval notation. |
| | Answer: |
| | ii. What is the range of $h(x)$? Write your answer using interval notation. |
| | Answer: |