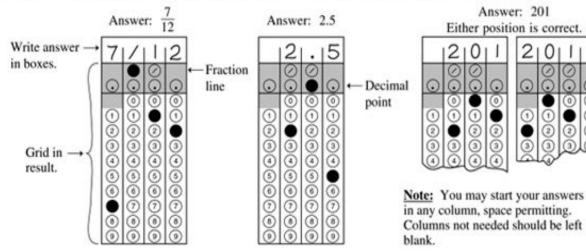
Directions: For Student-Produced Response questions 9-18, use the grids at the bottom of the answer sheet page on which you have answered questions 1-8.

Each of the remaining 10 questions requires you to solve the problem and enter your answer by marking the circles in the special grid, as shown in the examples below. You may use any available space for scratchwork.



- Mark no more than one circle in any column.
- Because the answer sheet will be machinescored, you will receive credit only if the circles are filled in correctly.
- · Although not required, it is suggested that you write your answer in the boxes at the top of the columns to help you fill in the circles accurately.
- · Some problems may have more than one correct answer. In such cases, grid only one answer.
- · No question has a negative answer.
- Mixed numbers such as $3\frac{1}{2}$ must be gridded as

3.5 or 7/2. (If 311/12 is gridded, it will be interpreted as $\frac{31}{2}$, not $3\frac{1}{2}$.)

 Decimal Answers: If you obtain a decimal answer with more digits than the grid can accommodate, it may be either rounded or truncated, but it must fill the entire grid. For example, if you obtain an answer such as 0.6666..., you should record your result as .666 or .667. A less accurate value such as .66 or .67 will be scored as incorrect.

0

2

2

3

Acceptable ways to grid $\frac{2}{3}$ are:

