WEBCAST HANDOUT:
IDEAS FOR USING THE ITEMS

Webcast 3*:* **Increasing Student Success on Constructed-Response Items**

On the following pages you will find the extended response items discussed during the May 14 ORC webcast. There is one item per page so that you may choose to have students do these items "one at a time." The rubrics are found at the Ohio Department of Education Website as a part of the "Answer Key/Scoring Guide:
http://www.ode.state.oh.us/GD/Templates/Pages/ODE/ODEDetail.aspx?page=3&TopicRelationID=1070&ContentID=7835&Content=46111

One alternative is to give students access to the rubric and let them score their own answers.

Another way to use these, and other released items, it to have teachers modify the items. For example, the last item in the set (Helga's Time Card) could be modified so that students are given the amount of time she worked each day—so that it could be determined whether the issue was student inability to calculate elapsed time.

From the 2006 Ohio Graduation Test, Item 4.

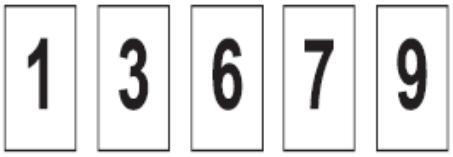
Adam was going to buy a new lawn mower from Lawn Care Depot for $169, less a 10% discount. He saw the same mower on sale at Tractors-R-Us. Their mower originally cost $210 and was on sale for 1/3 off.

In your **Answer Document**, determine the sale price of the mower at each store. Show your work or provide an explanation to support your answer.

Identify which store would be the most economical place to purchase the mower.

From the 2004 Ohio Graduation Test, Item 42

The following numbers are written on individual pieces of paper and placed in a bag.

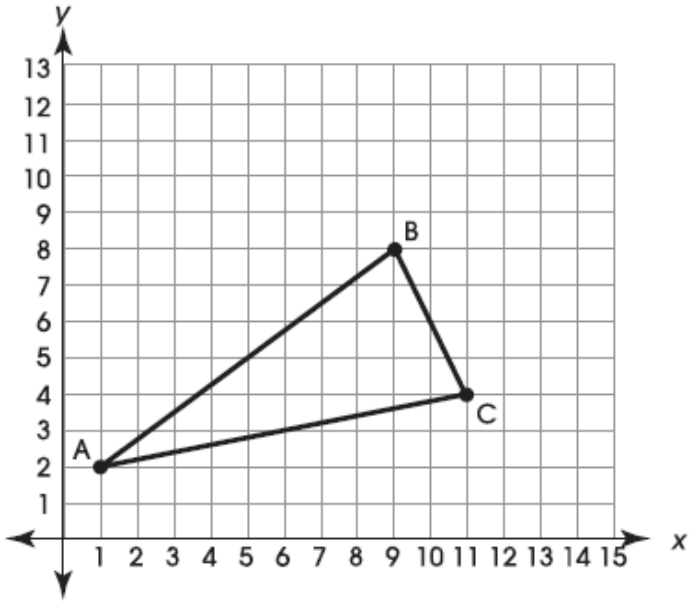


Four numbers are randomly drawn from the bag and are placed in the order in which they were drawn to form a four-digit number.

In your Answer Document, determine the probability that a number created in this way has a value greater than 6,000. Show your work or provide an explanation to support your answer.

From the 2006 Ohio Graduation Test, Item 40

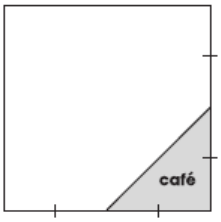
Triangle ABC is shown on the graph.



In your **Answer Document**, show that the segment connecting the midpoints of $\overline{AB}$ and $\overline{BC}$ is parallel to $\overline{AC}$ and one-half its length. Show your work or provide an explanation for your answer.

From the 2004 Ohio Graduation Test, Item 26

The floor plan of one room in a bookstore is a square with an area of 576 square feet. Part of this room is taken up by a café. The border of the café runs from the midpoints of two adjacent walls.



In your Answer Document, find the area, square feet, of the café. Show your work explain how you found your answer.

From the 2006 Ohio Graduation Test, Item 10

Mrs. Foyle told Yolanda that her test had 38 problems worth a total of 100 points. Each test problem is worth either 5 points or 2 points. Yolanda wanted to determine how many 2-point and how many 5-point questions are on the test.

In your **Answer Document**, determine how many questions of each point-value are on the test. Show your work or provide an explanation to support your answer.

From the Ohio Graduation Test, Item 36

The average salary for all department store workers in a certain area is $255 a week. The weekly salaries of the 7 employees in the Acme Department Store are given in the table below.

Acme Employees' Salaries

Employee Number	Salary
Employee 1	$240
Employee 2	$245
Employee 3	$245
Employee 4	$250
Employee 5	$252
Employee 6	$260
Employee 7	$420

In your Answer Document, determine the measures of center (mean, median and mode) of the 7 salaries.

Specify which of these measures of center the management could use to represent the salaries in an argument against pay increases. Explain your answer.

Specify which of these measures of center the labor union could use to represent the salaries in an argument for pay increases. Explain your answer.

From the Ohio Graduation Test 2007, Item 4

Helga earns $6.30 per hour working part-time at the grocery store. She records her starting and ending times each day on her time card.

Helga's Time Card

Date	In	Out
Monday 7/25	10:30 a.m.	2:00 p.m.
Tuesday 7/26	12:45 p.m.	3:30 p.m.
Wednesday 7/27		
Thursday 7/28	12:00 p.m.	4:45 p.m.
Friday 7/29	11:15 a.m.	3:45 p.m.

In your **Answer Document**, determine Helga's total wages for the week. Show your work or provide an explanation for your answer.