

Name: \_\_\_\_\_

Date: \_\_\_\_\_

TAKS: Practice What You Know! Part 2  
Student Worksheet

Look at the questions below and practice the calculator methods you have learned to find the answers. Remember to try to find the easiest way you can!

**28** Sean is an Algebra I student who believes that  $xy^2 = (xy)^2$ . Rudy informs Sean that this theory is not always true. Which pair of values for  $x$  and  $y$  could Rudy use to disprove Sean's theory?

**F**  $x = 0$  and  $y = 2$

**G**  $x = 1$  and  $y = 2$

**H**  $x = 2$  and  $y = 0$

**J**  $x = 2$  and  $y = 1$

How did you find the answer? \_\_\_\_\_

\_\_\_\_\_

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The next question is a little different. Think about how you can use methods used in previous lessons to find the answer to this questions.

30. The spreadsheet below contains 20 cells. A cell in a spreadsheet can be identified first by the column letter and then by the row number. For example, the number 10 is found in Cell C4.

	A	B	C	D	E
1	6	-3	7	1	5
2	12	-4	8	2	
3	18	-5	9	3	-35
4	24	-6	10	4	

If the number in Cell A3 = B4 - 3(E2 + D4), which of the following must be the number in Cell E2?

**F** -21

**G** -15

**H** -4

**J** -12

What answer did you find? \_\_\_\_\_

How did you find the answer? \_\_\_\_\_

\_\_\_\_\_

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**5** A rectangle has an area of 144 square inches and a perimeter of 50 inches. What are the dimensions of the rectangle?

**A** 10 in. by 15 in.

**B** 9 in. by 16 in.

**C** 8 in. by 18 in.

**D** 4 in. by 36 in.

Describe your answer and the process you used to find that answer.

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