

Name: _____

Date: _____

TAKS: Practice What You Know! Part 1
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!

9 Josh earns money by washing cars in his neighborhood. He spent \$215 on supplies and charges \$15 for each car washed. Josh's profit, p , can be represented by the function $p = 15n - 215$, where n represents the number of cars that Josh washes. What is the minimum number of cars Josh must wash to make a profit?

- A** 14
- B** 29
- C** 15
- D** Not here

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.

22 The formula below can be used to convert temperatures in degrees Fahrenheit, F , to temperatures in degrees Celsius, C .

$$C = \frac{5}{9}(F - 32)$$

On a certain day temperatures at the North Pole were between -20°F and -15°F . Which of these is a reasonable temperature in degrees Celsius for that day at the North Pole?

- F** -30°C
- G** -22°C
- H** -27°C
- J** -11°C

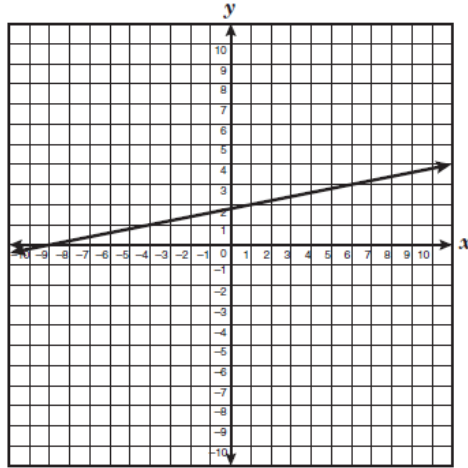
What answer did you find? _____

How did you find the answer? _____

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59 The graph of $-x + 5y = 9$ is shown below.



Which point represents a solution to this equation?

- A (0, 1)
- B (2, 1)
- C (1, 2)
- D (-7, 0)

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

Now look at a griddable question.

19 In the equation $6.5x + 1.4y = 59$, what is the value of x when $y = 5$?

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

What is your answer? _____

Describe your method for finding the solution.
