



Name _____ Class _____ Date _____

1

The formula, $^{\circ}\text{C} = \frac{5}{6} (^{\circ}\text{F} - 32)$, is used to convert Fahrenheit to Celsius.

If the temperature is 86°F , what is the **Celsius temperature**?

- A 6°C C 35°C
 B 30°C D 54°C

2

The formula for the perimeter of a rectangle is $P = 2\ell + 2w$. If the $\ell = 5$ m and the $w = 8$ m, what is the **perimeter**?

- A 13 m 5 m
 B 20 m
 C 26 m
 D 36 m 8 m

3

The area of a triangle is equal to $\frac{1}{2}bh$. If the $b = 20$ cm and the $h = 9$ cm, what is the **area**?

4

A bike shop rents bikes. The charge is **\$15** for the rental and **\$5** per each hour it is used. If Kate rents a bike for $4\frac{1}{2}$ hours, what will be her **cost**?

5



PREVIEW

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7

- B $x = 8 - y$
 C $x = 8 + y$
 D $y = -2x + 8$

- B $y = 12x$
 C $y = -2x + 8$
 D $y = 2x + 9$

9

A linear equation is $-x - 3y = 27$. What is the equation when solved for y in terms of x ?

- A $y = \left(-\frac{1}{3}\right)x - 9$ C $y = -3x + 9$
 B $y = 3x - 9$ D $y = \left(\frac{1}{3}\right)x + 9$

10

A linear equation is $6x - y = 14$. What is the equation when solved for y in terms of x ?

- A $y = -6x + 14$
 B $y = -6x - 14$
 C $y = 6x + 14$
 D $y = 6x - 14$



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(B)


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(C)

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(C)



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(A)

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(D)