

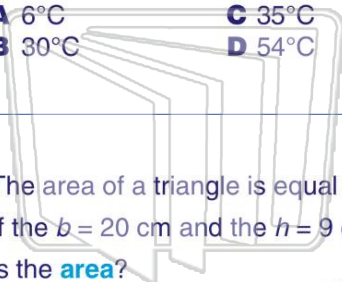


Name _____ Class _____ Date _____

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

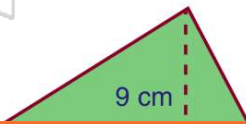
If the temperature is 86°F , what is the Celsius temperature?

- A 6°C
- B 30°C
- C 35°C
- D 54°C



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?

- A 45 cm
- B 90 cm



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PREVIEW

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7
A
V
f
A
y = 8 + 2x
B x = 8 - y
C x = 8 + y
D y = -2x + 8

- A $y = -4x + 16$
- 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 $y = \left(-\frac{1}{3}\right)x - 9$
- B $y = 3x - 9$
- C $y = -3x + 9$
- 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 $y = 6x - 14$



ANSWER KEY

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
- B 30°C
- C 35°C
- D 54°C

(b)

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
- B 20 m
- C 26 m
- D 36 m



(c)

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?

- A 45 cm
- B 90 cm
- C 135 cm
- D



(b)

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?

- A \$20
- B \$22.50
- C \$37.50
- D \$72.50

(c)



PREVIEW

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

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

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

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

(a)

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 $y = 6x - 14$

(d)