

Horizon Assessment System

ID: 445057

Test: 15-16 Algebra 1 Pre-Assessment

Name : _____

Student ID : _____



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of Questions: 12

Question 1 :

Karen makes \$5 per hour baby-sitting and \$12 per hour giving music lessons. One weekend, she worked a total of 18 hours and made \$139. How many hours did she spend baby-sitting?

A: 11

B: 9

C: 7

D: 6

Question 2 :

$$\begin{cases} y = 2x \\ y = 9x - 7 \end{cases}$$

Which is the solution to the system of equations shown above?

A: (4, 8)

B: (1, 2)

C: (3, 20)

D: (2, 1)

Question 3 :

What is the solution to the following system of linear equations?

$$\begin{cases} 4x - y = -6 \\ x - 2y = -5 \end{cases}$$

A: (-1, 2)

B: (0, 6)

C: (1, 2)

D: (2, -1)

Question 4 :

The formula shown can be used to find A , the amount of money Raul has in his savings account.

$$A = P + Prt$$

Raul wants to find r , the rate of interest his money earns. Which equations is correctly solved for r ?

A: $r = APt$

B: $r = A - 2Pt$

C: $r = \frac{A}{2Pt}$

D: $r = \frac{A-P}{Pt}$

Question 5 :

What is the solution to $8 - 2x \geq -4$?

A: $x \geq 6$

B: $x \geq 2$

C: $x \leq 2$

D: $x \leq 6$

Question 6 :

What is the solution to the inequality $6 - \frac{x}{4} > 2$?

A: $x < -32$

B: $x > -32$

C: $x < 16$

D: $x > 16$

Question 7 :

What is the solution to the following equation?

$$4x - 1 = 2x + 5$$

Question 8 :

What is the solution to $12 - \frac{1}{9}d = 17$?

Question 9 :

Which is the solution to the equation?

$$12 = -2(x + 3) + 4$$

Question 10 :

What is the solution to the equation $\frac{1}{3}(12x - 15) = 3x + 9$?

Question 11 :

What are the solutions to the equation $2x^2 - 3x + 1 = 0$?

A: $x = \frac{1}{2}$

B: $x = -\frac{1}{2}$

C: $x = 1$

D: $x = 2$

Question 12 :

What are the solutions of the quadratic equation $(2x + 3)(x - 1) = 0$?

A: $x = -1$

B: $x = 1$

C: $x = -\frac{3}{2}$

D: $x = \frac{3}{2}$