

Mr. Lewis Algebra 1

November 22, 2021

Quick Quiz

Name..... Period

Question 1.

Bryan's hockey team is purchasing jerseys. The company charges \$250 for a onetime set-up fee and \$23 for each printed jersey. Which expression represents the total cost of x number of jerseys for the team?

- (1) $23x$
- (2) $23 + 250x$
- (3) $23x + 250$
- (4) $23(x + 250)$

Question 2.

Which table represents a function?

x	y
2	-3
3	0
4	-3
2	1

(1)

x	y
-3	0
-2	1
-3	2
2	3

(3)

x	y
1	2
1	3
1	4
1	5

(2)

x	y
-2	-4
0	2
2	4
4	6

(4)

Question 3.

Which expression is equivalent to $2(x^2 - 1) + 3x(x - 4)$?

- (1) $5x^2 - 5$ (3) $5x^2 - 12x - 1$
(2) $5x^2 - 6$ (4) $5x^2 - 12x - 2$

Question 4.

The value of x that satisfies the equation $\frac{4}{3} = \frac{x+10}{15}$ is

- (1) -6 (3) 10
(2) 5 (4) 30

Question 5.

Josh graphed the function $f(x) = -3(x - 1)^2 + 2$. He then graphed the function $g(x) = -3(x - 1)^2 - 5$ on the same coordinate plane. The vertex of $g(x)$ is

- (1) 7 units below the vertex of $f(x)$
(2) 7 units above the vertex of $f(x)$
(3) 7 units to the right of the vertex of $f(x)$
(4) 7 units to the left of the vertex of $f(x)$