1/22/2020

PRINTABLE VERSION

Quiz 4

Question 1
Solve the system for x :
12 x + 6 y = 60
x + y = 0
a) ○ -3
b) • 6
c) 🔘 3
d) ○ −5
e) 🔍 5
f) \bigcirc None of the above.
Question 2
Solve the system for y :
$x-y=6\ 2x+5y=-30$
a) 🔍 8
b) ○ -4
c) 🔘 6
d) ○ -8
e)
f) \bigcirc None of the above.
Question 3
Two numbers have a sum of 16 and a difference of 4. Find the two numbers.

1/22/2020

- a) \bigcirc {5, 11}
- **b)** \bigcirc {6, 10}
- c) $\bigcirc \{-6, 10\}$
- d) \bigcirc {4, 12}
- e) $\bigcirc \{-10, -6\}$
- f) \bigcirc None of the above.

Question 4

Paul has 12 coins in his pocket, consisting entirely of dimes and quarters. If he has a total of 240 cents in coins, how many coins of each type are in his pocket?

- **a)** \bigcirc 4 dimes and 8 quarters
- **b)** \bigcirc 7 dimes and 5 quarters
- c) \bigcirc 5 dimes and 7 quarters
- **d)** \bigcirc 8 dimes and 4 quarters
- e) \bigcirc 9 dimes and 3 quarters
- f) \bigcirc None of the above.

Question 5

Solve the following system:

$$-x+y=4$$

 $x+4y=-2$

- a) \bigcirc No solution.
- b) $x = -\frac{19}{5}, y = \frac{6}{5}$ c) • $x = \frac{2}{5}, y = -\frac{13}{5}$ d) • $x = -\frac{14}{5}, y = \frac{1}{5}$

Print Test

e)
$$x = -\frac{18}{5}, y = \frac{2}{5}$$

f) \bigcirc None of the above.

Question 6

Solve the following system:

$$-5 x + y = -4$$
$$x - \frac{y}{5} = -3$$

a) \bigcirc No solution.

b)
$$\bigcirc x = -\frac{6}{11}, \ y = -\frac{74}{11}$$

c) \bigcirc Infinitely many solutions.

d)
$$\bigcirc x = -\frac{4}{11}, y = -\frac{75}{11}$$

e) $\bigcirc x = -\frac{15}{11}, y = -\frac{64}{11}$

f)
$$\bigcirc$$
 None of the above.

Question 7

Solve the following system:

$$-2 \, x + 3 \, y = 6 \ - 6 \, y + 4 \, x = -12$$

a) \bigcirc No solution.

- **b**) $\bigcirc x = 3, y = 4$
- c) \bigcirc Infinitely many solutions.
- d) $\bigcirc x = 5, y = 5$

e) $\bigcirc x = 4, y = 4$

f) \bigcirc None of the above.

Question 8

Print Test Solve for x the following system of equations: $x^2 - y = 0$ x + y = 6a) 0, 2, 1**b**) $\bigcirc 2, -1$ c) 0, -3d) 0 - 2, 3e) $\bigcirc -2, -1$ **f)** \bigcirc None of the above **Question 9** Solve for *y* the following system of equations: $egin{array}{l} x^2+y^2=51\ x-4\,y=0 \end{array}$

a) $\bigcirc -\sqrt{3}, \sqrt{3}$

- **b)** $\bigcirc -4, 4$
- c) $\bigcirc -2, 2$
- **d**) 0
- e) -3, 3
- f) \bigcirc None of the above

Question 10

A rectangle has a perimeter of 44 centimeters and an area of 120 square centimeters. Find the dimensions of the rectangle.

a) $\bigcirc 4 \text{ cm} \times 30 \text{ cm}$ **b)** \bigcirc 10 cm \times 12 cm c) \bigcirc 1 cm \times 120 cm d) \bigcirc 6 cm \times 20 cm

e) \bigcirc 3 cm \times 40 cm

f) \bigcirc None of the above