

Question ID bd329fe0

Assessment	Test	Domain	Skill	Difficulty
PSAT/NMSQT & PSAT 10	Math	Algebra	Systems of two linear equations in two variables	<div><div></div><div></div><div></div></div>

ID: bd329fe0

$$x + y = 18$$

$$5y = x$$

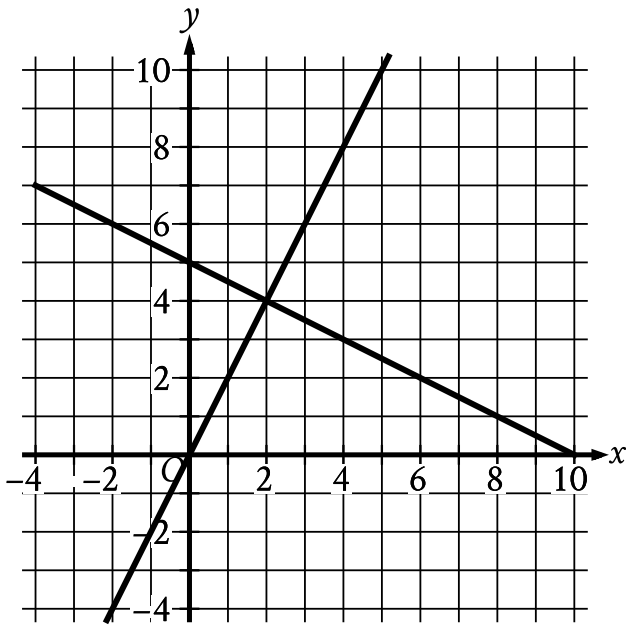
What is the solution (x, y) to the given system of equations?

- A. $(15, 3)$
- B. $(16, 2)$
- C. $(17, 1)$
- D. $(18, 0)$

Question ID abe39d7f

Assessment	Test	Domain	Skill	Difficulty
PSAT/NMSQT & PSAT 10	Math	Algebra	Systems of two linear equations in two variables	<div><div></div><div></div><div></div></div>

ID: abe39d7f



The graph of a system of linear equations is shown. What is the solution (x, y) to the system?

- A. $(0, 5)$
- B. $(2, 4)$
- C. $(5, 10)$
- D. $(10, 0)$

Question ID a0903fed

Assessment	Test	Domain	Skill	Difficulty
PSAT/NMSQT & PSAT 10	Math	Algebra	Systems of two linear equations in two variables	<div><div></div><div></div><div></div></div>

ID: a0903fed

$y = 12x - 20$

$y = 28$

What is the solution (x, y) to the given system of equations?

- A. $(4, 28)$
- B. $(20, 28)$
- C. $(28, 4)$
- D. $(28, 20)$

Question ID f75e6a40

Assessment	Test	Domain	Skill	Difficulty
PSAT/NMSQT & PSAT 10	Math	Algebra	Systems of two linear equations in two variables	<div><div></div><div></div><div></div></div>

ID: f75e6a40

$$\begin{aligned}x &= 10 \\ y &= x + 21\end{aligned}$$

The solution to the given system of equations is (x, y) . What is the value of y ?

- A. 2.1
- B. 10
- C. 21
- D. 31

Question ID 028a4b2c

Assessment	Test	Domain	Skill	Difficulty
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ID: 028a4b2c

$$\begin{aligned}x &= 5 \\ y &= x - 8\end{aligned}$$

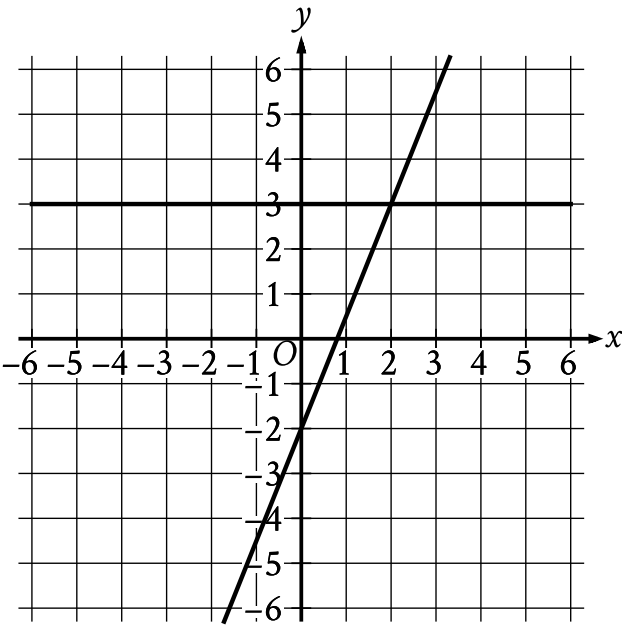
Which of the following points (x, y) is the solution to the given system of equations in the xy -plane?

- A. $(0, 0)$
- B. $(5, -3)$
- C. $(5, -8)$
- D. $(5, 8)$

Question ID 1e5390fd

Assessment	Test	Domain	Skill	Difficulty
PSAT/NMSQT & PSAT 10	Math	Algebra	Systems of two linear equations in two variables	<div><div></div><div></div><div></div></div>

ID: 1e5390fd

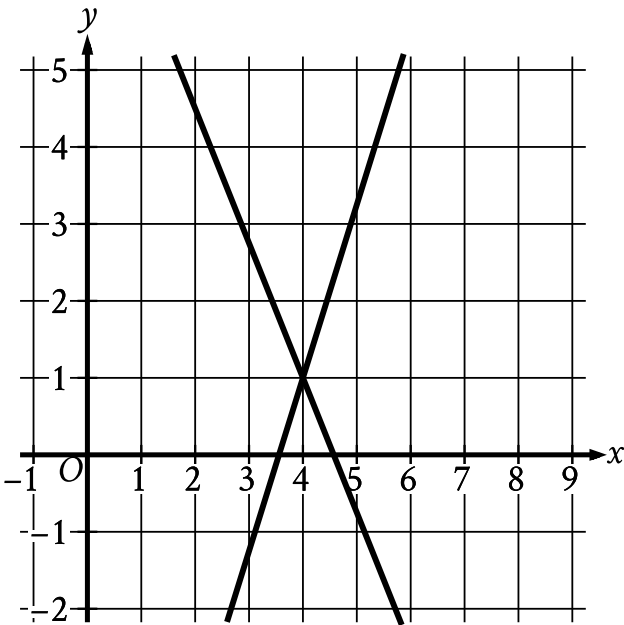


- The graph of a system of linear equations is shown. What is the solution (x, y) to the system?
- A. $(0, 3)$
 - B. $(1, 3)$
 - C. $(2, 3)$
 - D. $(3, 3)$

Question ID 25d0931c

Assessment	Test	Domain	Skill	Difficulty
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ID: 25d0931c



The graph of a system of linear equations is shown. The solution to the system is (x, y) . What is the value of x ?

Question ID 937f7437

Assessment	Test	Domain	Skill	Difficulty
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ID: 937f7437

$$\begin{aligned}s + 7r &= 27 \\ r &= 3\end{aligned}$$

What is the solution (r, s) to the given system of equations?

- A. $(6, 3)$
- B. $(3, 6)$
- C. $(3, 27)$
- D. $(27, 3)$

Question ID 79b568d3

Assessment	Test	Domain	Skill	Difficulty
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ID: 79b568d3

$$\begin{aligned} 3x &= 12 \\ -3x + y &= -6 \end{aligned}$$

The solution to the given system of equations is (x, y) . What is the value of y ?

- A. -3
- B. 6
- C. 18
- D. 30

Question ID d37842cc

Assessment	Test	Domain	Skill	Difficulty
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ID: d37842cc

$$\begin{aligned}y &= 4 \\ x &= y + 6\end{aligned}$$

The solution to the given system of equations is (x, y) . What is the value of x ?

- A. 10
- B. 6
- C. 4
- D. 2

Question ID 800e59a0

Assessment	Test	Domain	Skill	Difficulty
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ID: 800e59a0

$$\begin{aligned}x &= 4 \\ y &= 5 - x\end{aligned}$$

The solution to the given system of equations is (x, y) . What is the value of y ?

- A. 1
- B. 4
- C. 5
- D. 9

Question ID c4f9f99e

Assessment	Test	Domain	Skill	Difficulty
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ID: c4f9f99e

$$y = 4x - 9$$

$$y = 19$$

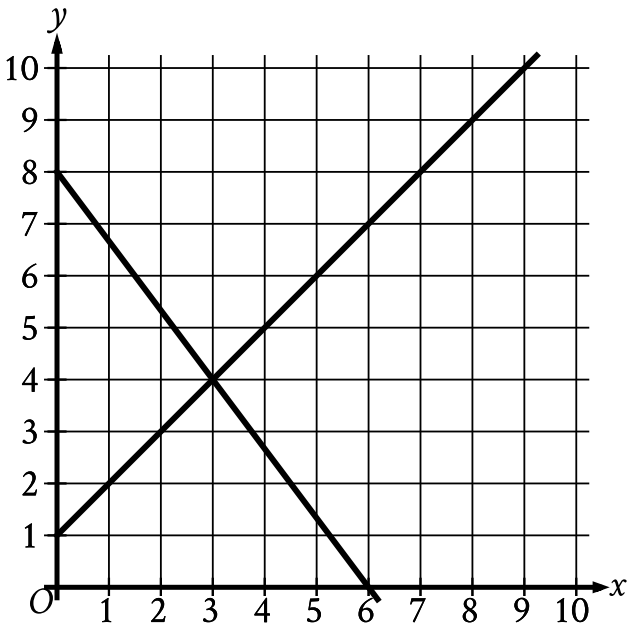
What is the solution (x, y) to the given system of equations?

- A. $(4, 19)$
- B. $(7, 19)$
- C. $(19, 4)$
- D. $(19, 7)$

Question ID 4263af26

Assessment	Test	Domain	Skill	Difficulty
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ID: 4263af26



The graph of a system of linear equations is shown. What is the solution (x, y) to the system?

- A. $(2, 3)$
- B. $(3, 4)$
- C. $(4, 5)$
- D. $(5, 6)$

Question ID 2251c98f

Assessment	Test	Domain	Skill	Difficulty
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ID: 2251c98f

Connor has c dollars and Maria has m dollars. Connor has 4 times as many dollars as Maria, and together they have a total of \$25.00. Which system of equations represents this situation?

- A. $c = 4m$
 $c + m = 25$
- B. $m = 4c$
 $c + m = 25$
- C. $c = 25m$
 $c + m = 4$
- D. $m = 25c$
 $c + m = 4$

Question ID 29f70e3b

Assessment	Test	Domain	Skill	Difficulty
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ID: 29f70e3b

$$x = 8$$

$$x + 3y = 26$$

The solution to the given system of equations is (x, y) . What is the value of y ?