

Question ID 208a94ec

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Algebra	Systems of two linear equations in two variables	

ID: 208a94ec

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

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 d6c9105a

Assessment	Test	Domain	Skill	Difficulty
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ID: d6c9105a

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

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 5e1de275

Assessment	Test	Domain	Skill	Difficulty
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ID: 5e1de275

$$y = 12x - 20$$
$$y = 28$$

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 597c738a

Assessment	Test	Domain	Skill	Difficulty
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ID: 597c738a

$$\begin{aligned} 4x &= 20 \\ -3x + y &= -7 \end{aligned}$$

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

- A. -27
- B. -13
- C. 13
- D. 27

Question ID f3850e72

Assessment	Test	Domain	Skill	Difficulty
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ID: f3850e72

$x + y = 18$
 $5y = x$
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 e5f3a684

Assessment	Test	Domain	Skill	Difficulty
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ID: e5f3a684

$$\begin{aligned}4x - 3y &= 5 \\ x &= 8\end{aligned}$$

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

- A. $(8, 9)$
- B. $(8, -24)$
- C. $(8, -9)$
- D. $(8, 24)$

Question ID 774b593a

Assessment	Test	Domain	Skill	Difficulty
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ID: 774b593a

$$y = 4x - 9$$
$$y = 19$$

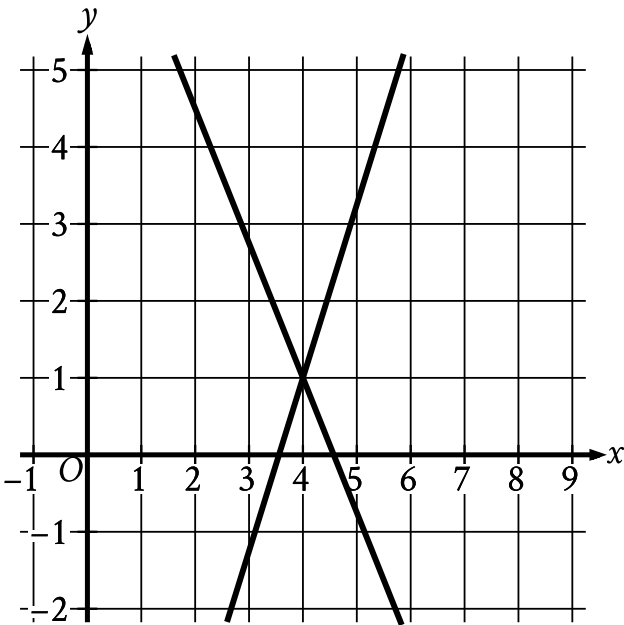
What is the solution (x, y) to the given system of equations?

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

Question ID 745d532f

Assessment	Test	Domain	Skill	Difficulty
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ID: 745d532f



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 10b92bc2

Assessment	Test	Domain	Skill	Difficulty
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ID: 10b92bc2

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

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 ad576a19

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Algebra	Systems of two linear equations in two variables	

ID: ad576a19

$$\begin{aligned}5x &= 15 \\ -4x + y &= -2\end{aligned}$$

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

- A. -17
- B. -13
- C. 13
- D. 17

Question ID b76ba2c5

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Algebra	Systems of two linear equations in two variables	

ID: b76ba2c5

$$\begin{aligned}y &= -3x \\ 4x + y &= 15\end{aligned}$$

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

- A. 1
- B. 5
- C. 15
- D. 45

Question ID bed1ca47

Assessment	Test	Domain	Skill	Difficulty
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ID: bed1ca47

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 7f40c1d6

Assessment	Test	Domain	Skill	Difficulty
PSAT 8/9	Math	Algebra	Systems of two linear equations in two variables	

ID: 7f40c1d6

$$x = 8$$

$$x + 3y = 26$$

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