Substitution Task Cards

Print double-sided, flipping on the long edge. Cut along the frames.

1

Solve the system.

A $y = 3$

B $2x + y = 11$

2

Solve the system.

A $y = 2x$

B $x + y = 12$

3

Solve the system.

A $y = 2x - 3$

B $3x + 2y = 15$

4

Solve the system.

A $y = -2x + 5$

B $4x - 3y = 5$

5

Solve the system.

A $x + y = 5$

B $3x + 2y = 12$

6

A $x - y = 7$

B $2x + y = -10$

One group says the solution is $(1, -6)$.
Another group says it is $(-1, -8)$.
Who is right? How do you know?

Substitution Task Cards — Backs

Answers for the cards on the other side of this sheet.

2 — answer

$(4,\ 8)$

1 — answer

$(4,\ 3)$

4 — answer

$(2,\ 1)$

3 — answer

$(3,\ 3)$

6 — answer

$(-1,\ -8)$

5 — answer

$(2,\ 3)$

Substitution Task Cards

Print double-sided, flipping on the long edge. Cut along the frames.

7

Solve the system.

A $2x + 3y = 7$

B $4x - y = 7$

8

Solve the system.

A $3x + 6y = 4$

B $x - 2y = 1$

Bonus A

Solve the system.

A $2x + y - 7 = 0$

B $3x = 2y$

Bonus B

Solve the system.

A $y = 2x + 1$

B $4x - 2y = 6$

What would the graph look like?

Bonus C

Solve the system.

A $x = 2y - 3$

B $3x - 6y = -9$

What would the graph look like?

Bonus D

Solve the system.

A $2x + 3y = 12$

B $5x - 2y = 11$

Substitution Task Cards — Backs

Answers for the cards on the other side of this sheet.

8 — answer

$$\left(\frac{7}{6}, \frac{1}{12}\right)$$

7 — answer

$$(2,\ 1)$$

Bonus B — answer

No solution

Bonus A — answer

$$(2,\ 3)$$

Bonus D — answer

$$(3,\ 2)$$

Bonus C — answer

Infinitely many solutions