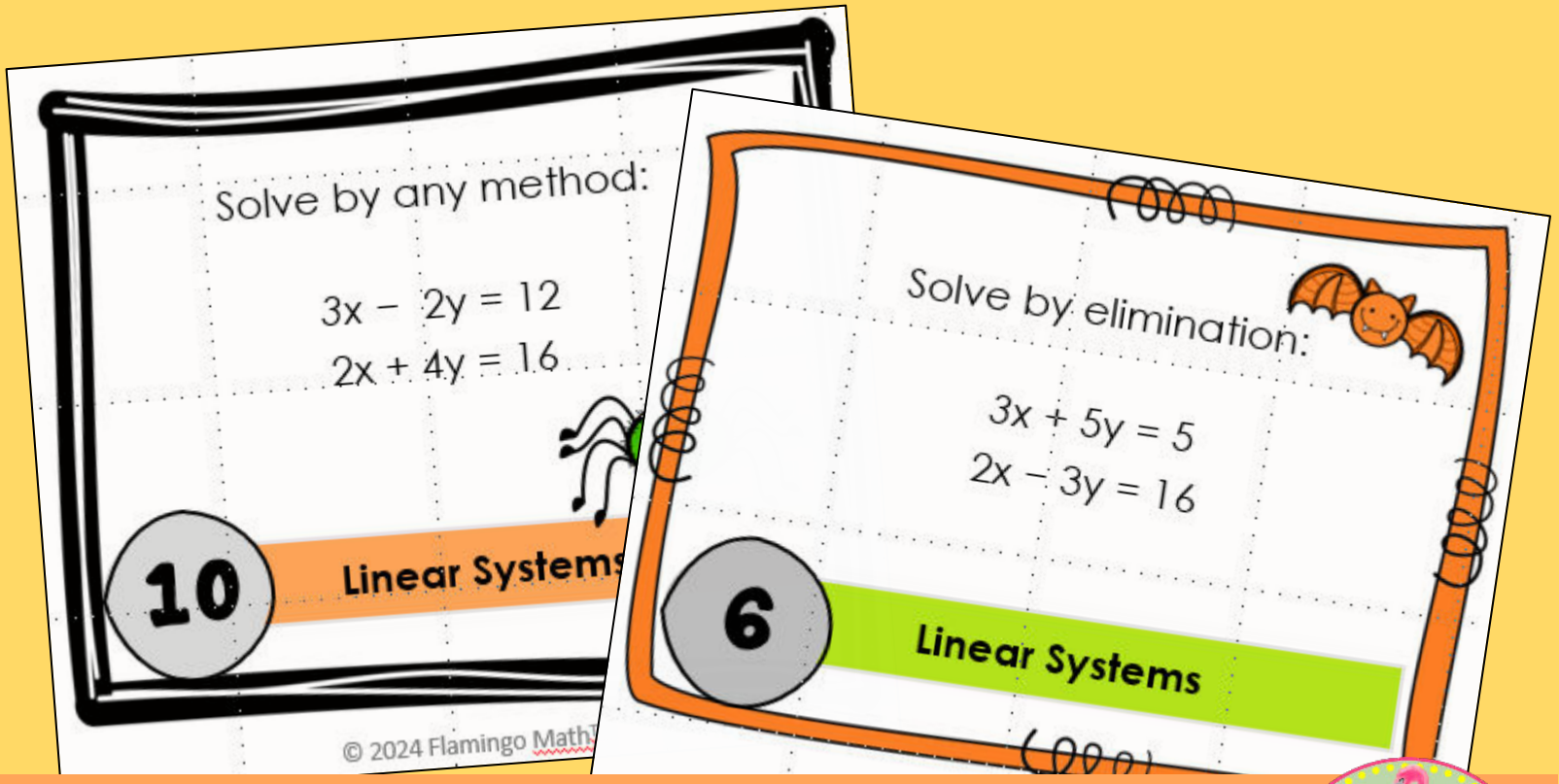
Algebra 2/Precalculus Honors

Systems of Equations

Task Cards



Halloween-Themed

Flamingo MATH
Jean Adams

Solve by substitution:

$x + 6y = 26$
$3x + 4y = 8$

1 Linear Systems

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Solve by substitution:

$5x + 3y = 9$
$2x + y = 4$

2 Linear Systems

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Solve by graphing:

$x - y = 7$
$2x + y = 2$

3 Linear Systems

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Solve by graphing:

$3x - y = -9$
$x + 2y = 4$

Solve by elimination:

$5x + 4y = 8$
$4x - 2y = 22$

5 Linear Systems

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Determine the number of solutions:

$y - 2x = 7$
$x - \frac{1}{2}y = 4$

7 Linear Systems

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Determine the number of solutions:

$3x + 2y = 4$
$5x + y = 6$

8 Linear Systems

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Determine the number of solutions:

$2x + 3y = 6$
$4x + 6y = 12$

Solve by any method:

$3x - 2y = 12$
$2x + 4y = 16$

10 Linear Systems

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Write the system of equations that is represented by the matrix, do not solve:

$$\begin{bmatrix} 7 & -2 & 5 \\ 4 & 3 & -9 \end{bmatrix}$$

13 Linear Systems

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Find the value of each variable:

$$\begin{bmatrix} (x+3) & (y+4) \\ 8 & 2 \end{bmatrix} = \begin{bmatrix} 7 & -3 \\ 8 & k \end{bmatrix}$$

14 Linear Systems

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The sum of your test scores is 213. If the first is 26 points more than the second, and the sum of the first two is 12 more than twice the third, what was the first score?

12 Linear Systems

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Solve the inequality by graphing:

$y \leq 2x + 4$
$y < -x + 1$

15 Linear Systems

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Solve the inequality by graphing:

Solve:

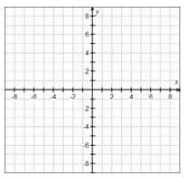
$$\begin{cases} 2x + 3y - z = -3 \\ x - 2y - 4z = 2 \\ x + y + 2z = -7 \end{cases}$$

17 Linear Systems

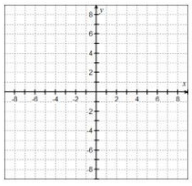
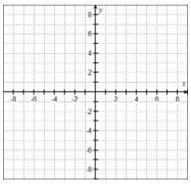
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Systems of Equations Hallo

Name _____ D

1.	**2.**
3. 	**4.**
5.	**6.**
7.	**8.**
9.	**10.**

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11.	**12.**
13.	**14.**
15. 	**16.** 
17.	**18.**

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