



1/14/2021

# Integrated Math 1

Module 5

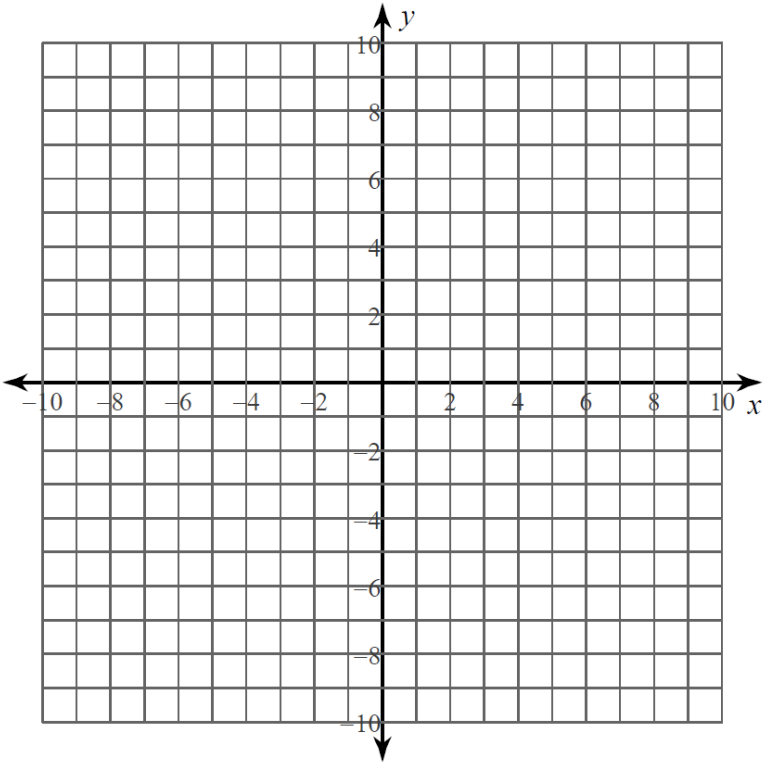


Mike Efram

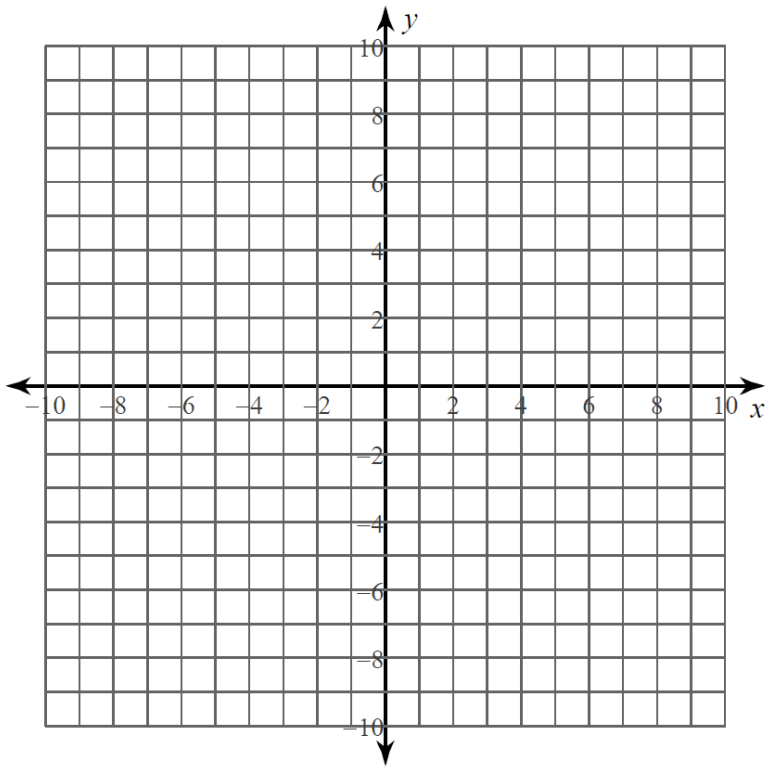
HEALDSBURG UNIFIED SCHOOL DISTRICT



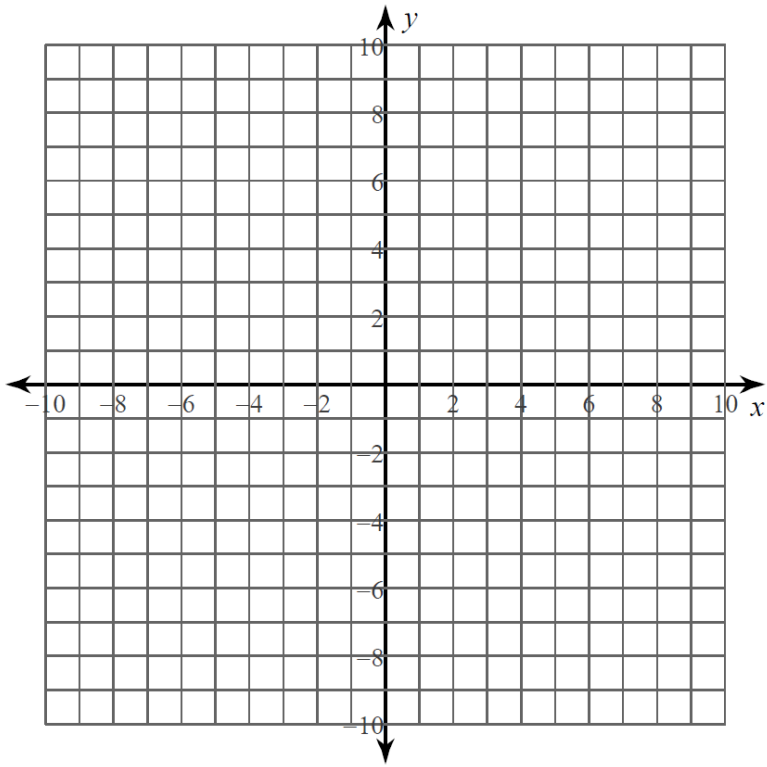
# Lesson: Graph equations in standard Form



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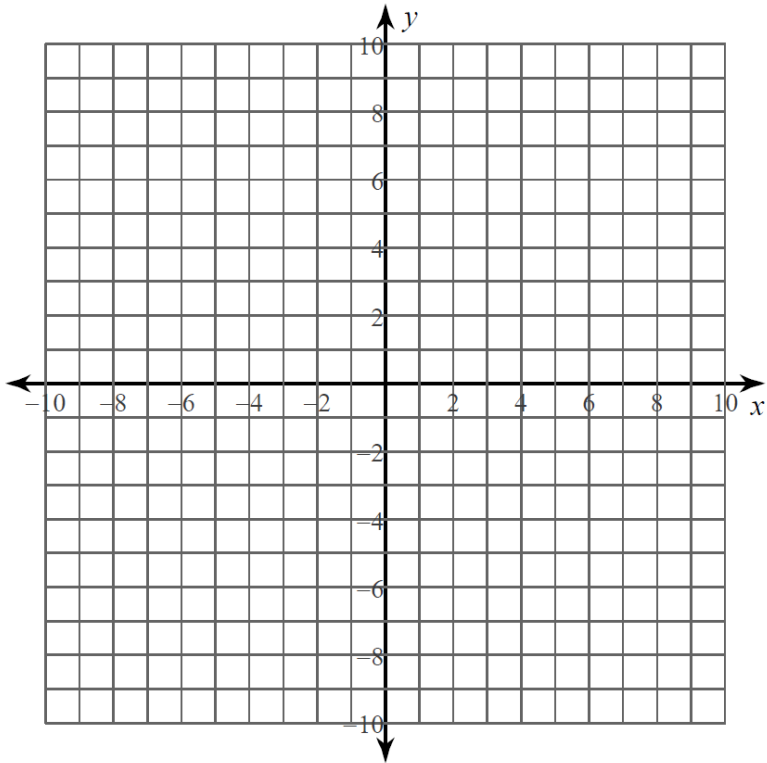


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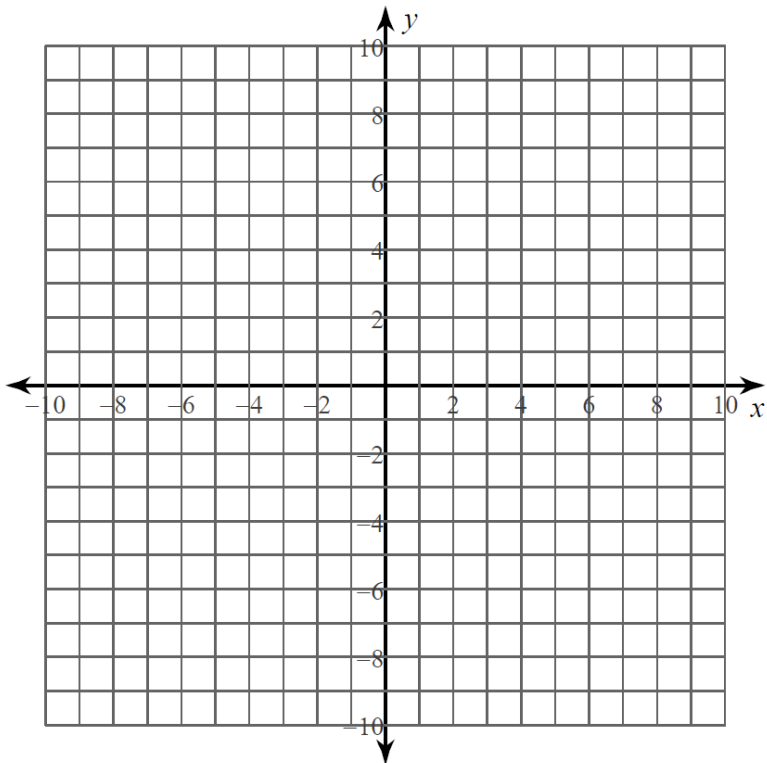


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Name \_\_\_\_\_



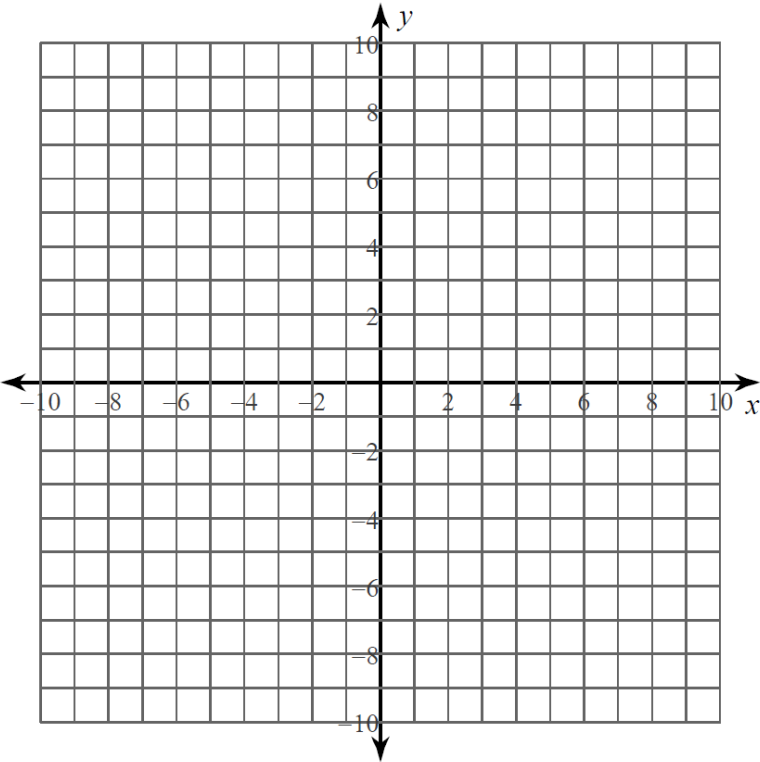
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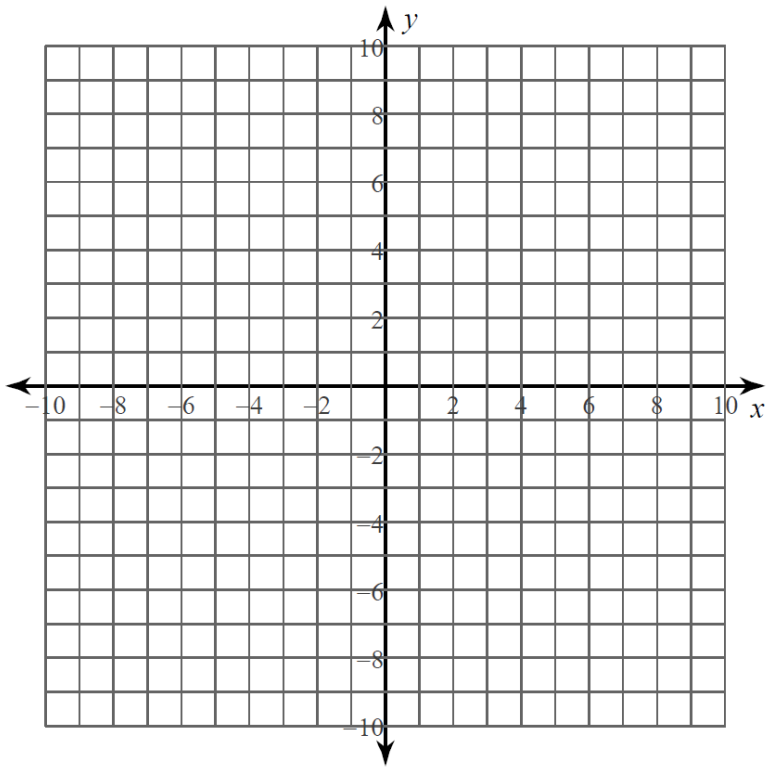
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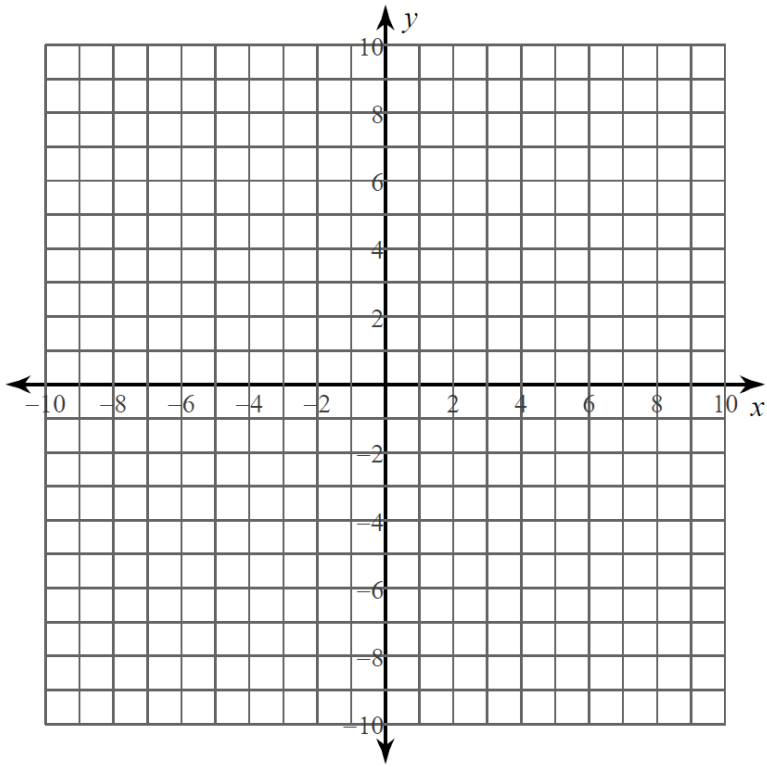
**Lesson: Solve systems of equations by graphing**



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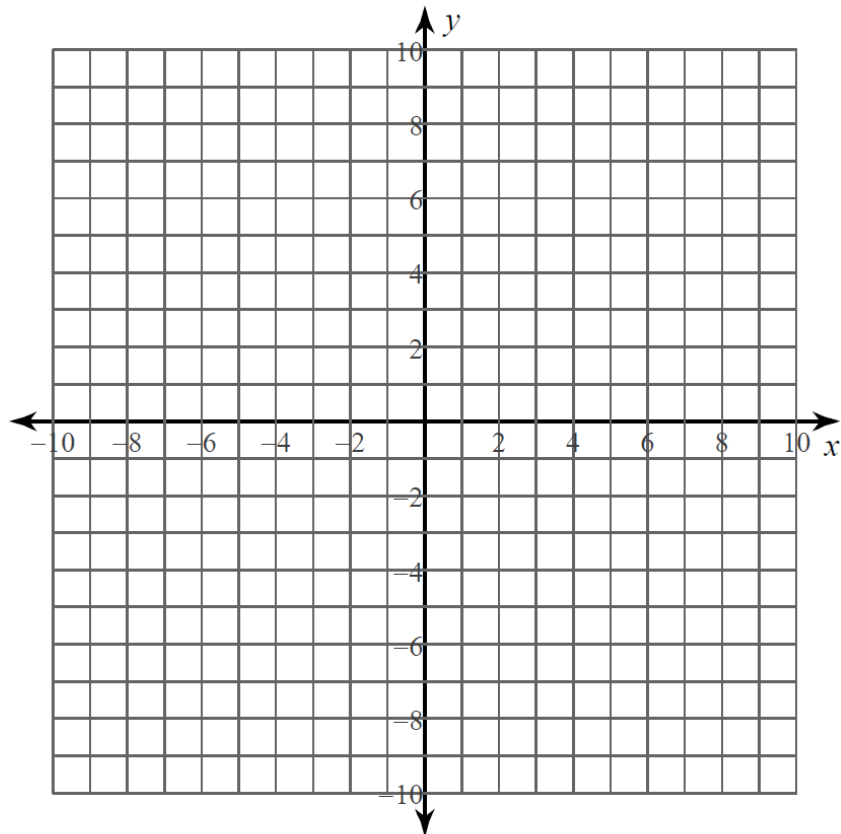
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Name \_\_\_\_\_



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# **Lesson: Solve systems of equations by Substitution**

**Lesson:**

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**Example # 1**

# **Lesson: Solve systems of equations by Substitution**

## **Example #2**

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## **Example #3**

**Name** \_\_\_\_\_

**Name** \_\_\_\_\_

# **Lesson: Solve systems of equations by Elimination (level 1)**

**Lesson:**

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**Example # 1**

# **Lesson: Solve systems of equations by Elimination (level 1)**

## **Example #2**

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## **Example # 3**



**Name** \_\_\_\_\_

**Name** \_\_\_\_\_

# **Lesson: Solve systems of equations by Elimination (level 2)**

**Lesson:**

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**Example # 1**

# **Lesson: Solve systems of equations by Elimination (level 2)**

## **Example #2**

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## **Example # 3**

**Name** \_\_\_\_\_

**Name** \_\_\_\_\_

# **Lesson: Solve systems of equations by Elimination (level 3)**

**Lesson:**

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**Example # 1**

# **Lesson: Solve systems of equations by Elimination**

## **(level 3)**

### **Example #2**

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### **Example # 3**



**Name** \_\_\_\_\_

**Name** \_\_\_\_\_

# Systems of Equations Modeling Task

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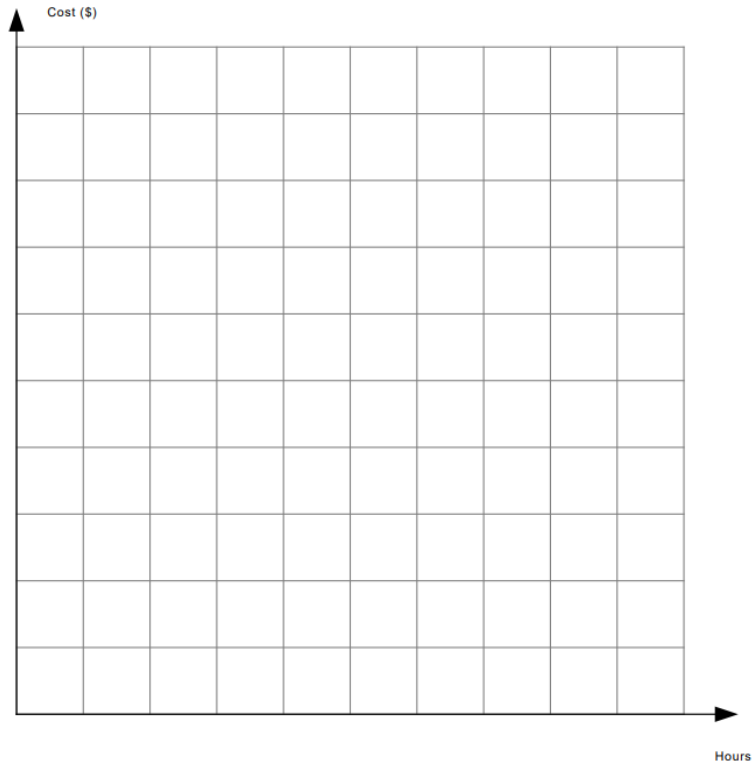
$A(t)$  \_\_\_\_\_

$B(t)$  \_\_\_\_\_

Which option would you recommend and why? Prepare an argument that includes mathematics that we have used all year: Table, equation, graph.

Your recommendation will need to quantify how many hours of work need to be done.

# of hours	A(t)	B(t)



Equations (Explicit)

A(t): \_\_\_\_\_

B(t): \_\_\_\_\_

Write your recommendation here:

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# Systems of Equations Modeling Task

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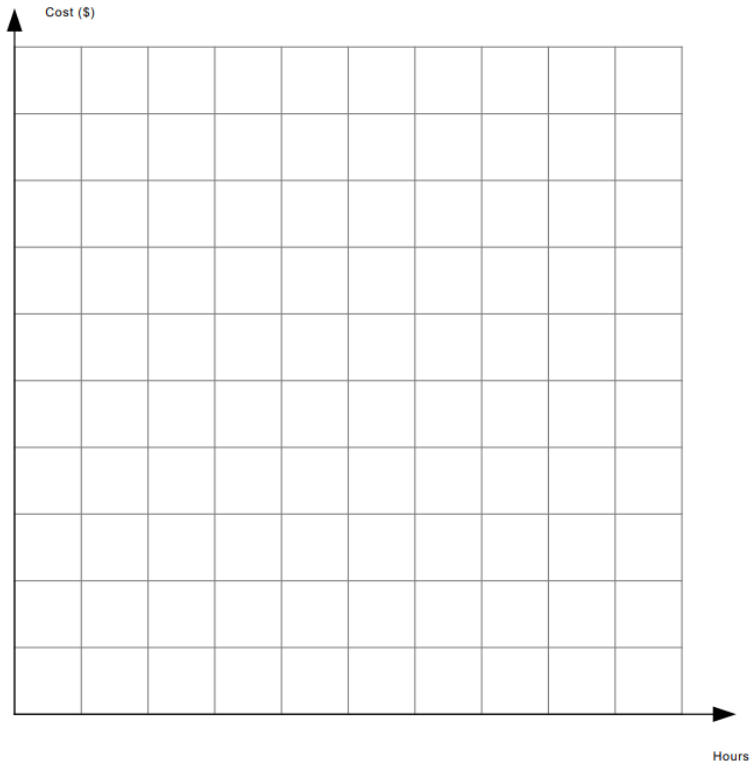
$A(t)$  \_\_\_\_\_

$B(t)$  \_\_\_\_\_

Which option would you recommend and why? Prepare an argument that includes mathematics that we have used all year: Table, equation, graph.

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# of hours	A(t)	B(t)



Equations (Explicit)

A(t): \_\_\_\_\_

B(t): \_\_\_\_\_

Write your recommendation here:

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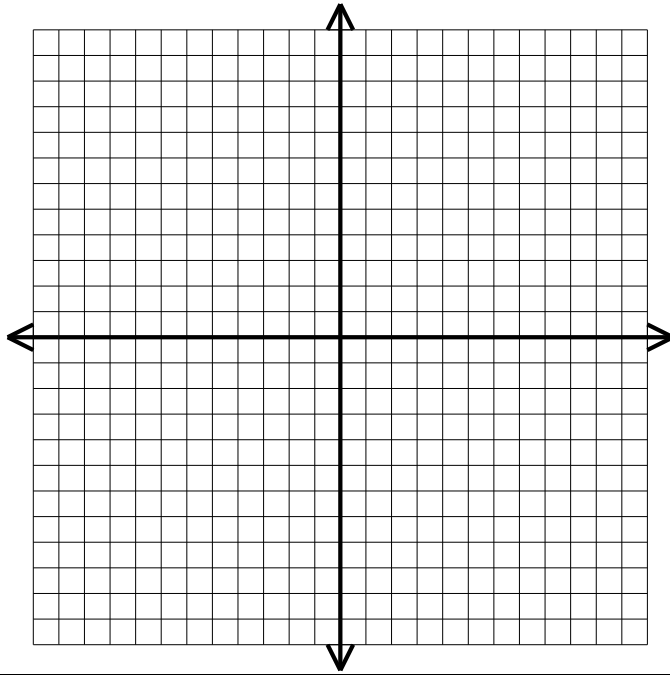


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## Review Systems of Equations

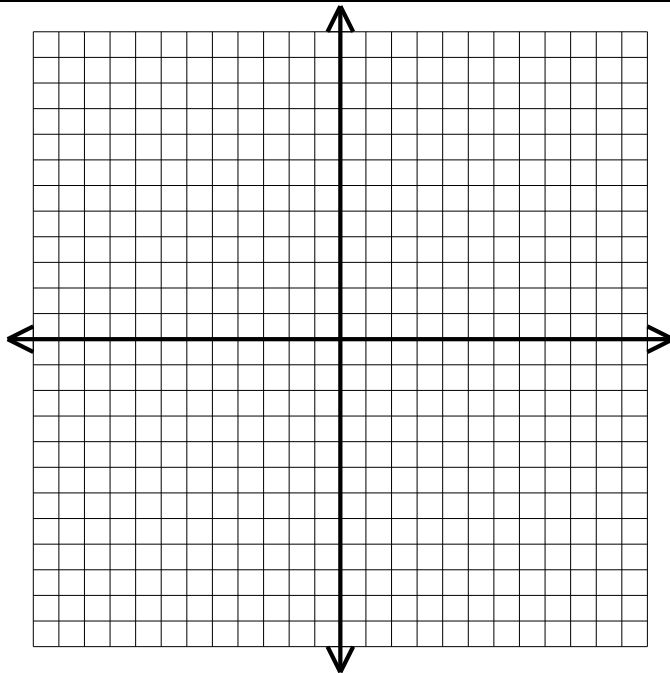
1. Solve the system by graphing

$$\begin{cases} y = -4x \\ -2x + y = 6 \end{cases}$$



2. Solve the system by graphing

$$\begin{cases} y = 2x + 1 \\ y = -x - 2 \end{cases}$$



3. Solve the system by substitution

$$\begin{cases} y = \frac{3}{4}x - 5 \\ y = 2x \end{cases}$$

4. Solve the system by substitution

$$\begin{cases} y = \frac{7}{5}x - 9 \\ 2x - 3y = 16 \end{cases}$$

5. Solve the system by elimination

$$\begin{cases} 4x + 6y = 0 \\ -x + 2y = 14 \end{cases}$$

6. Solve the system by elimination

$$\begin{cases} x + 3y = 5 \\ 2x + 6y = 10 \end{cases}$$

7. Solve the system by any method

$$\begin{cases} y = \frac{1}{5}x - 2 \\ y = x - 6 \end{cases}$$

8. Solve the system by any method

$$\begin{cases} 8x - 3y = 12 \\ 5x - 3y = 21 \end{cases}$$



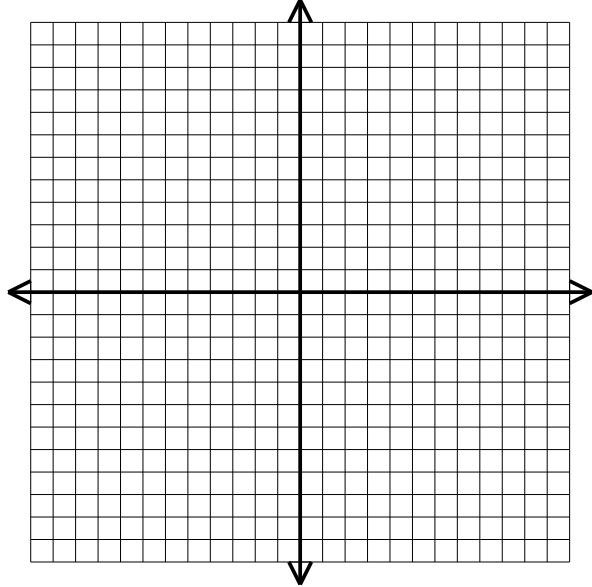


# Module 5 Test - Systems of Equations

Solve the system of equations by graphing. Use a straightedge to draw your lines.

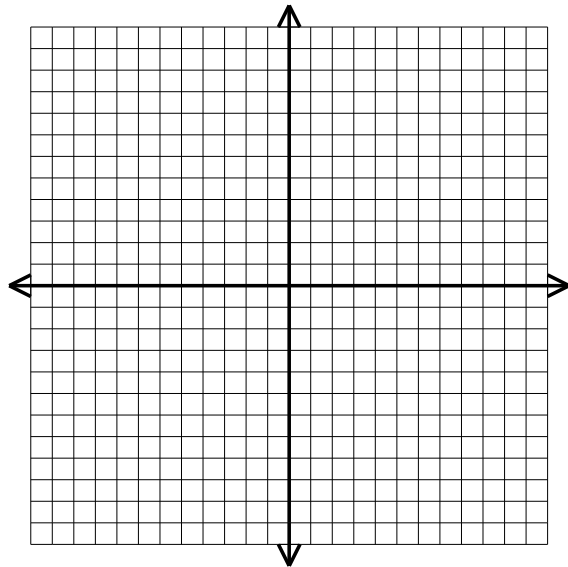
1.

Solution:



2.

Solution:



Solve the system of equations by Substitution

3.

Solve the system of equations by Substitution

4.

Solve the system of equations by Elimination

5.

Solve the system of equations by Elimination

6.

# Systems of Equations Modeling Task

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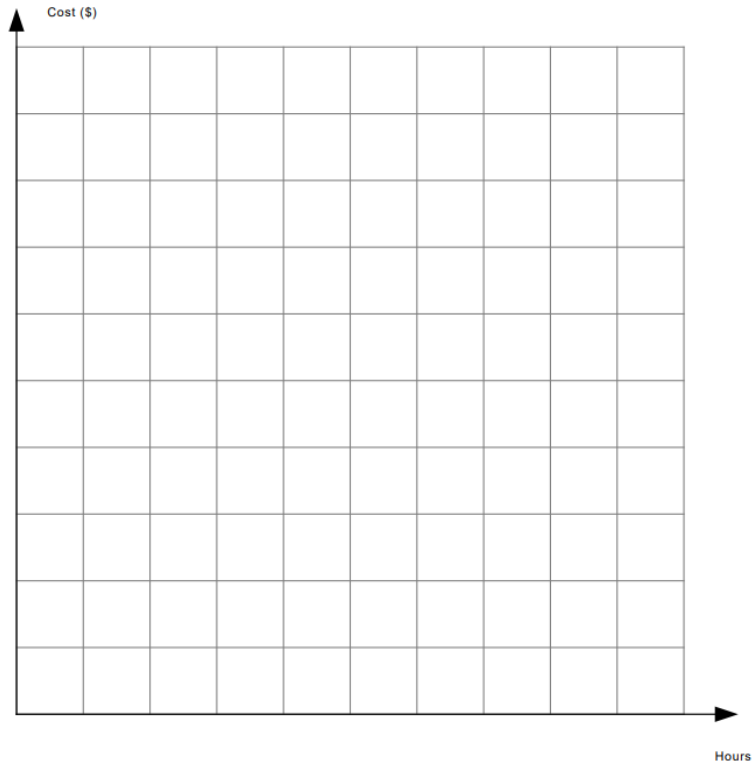
$A(t)$  \_\_\_\_\_

$B(t)$  \_\_\_\_\_

Which option would you recommend and why? Prepare an argument that includes mathematics that we have used all year: Table, equation, graph.

Your recommendation will need to quantify how many hours of work need to be done.

# of hours	A(t)	B(t)



Equations (Explicit)

A(t): \_\_\_\_\_

B(t): \_\_\_\_\_

Write your recommendation here:

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