

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class/Period: \_\_\_\_\_ Attempt # \_\_\_\_\_ ID: N

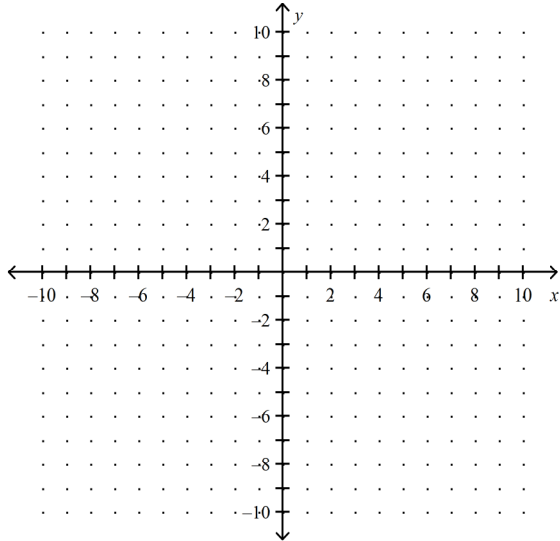
$$y = mx + b \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

Proficiency Demonstrated:      Perfect       Sufficient       Insufficient (Repeat Evaluation)

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**

1. Solve the following system of equations by **graphing**.

$y = -\frac{1}{2}x + 6$        $y = 2x + 1$       Answer: \_\_\_\_\_



2. Use a **formal check** to verify that the point (1, 1) is a solution to the system:

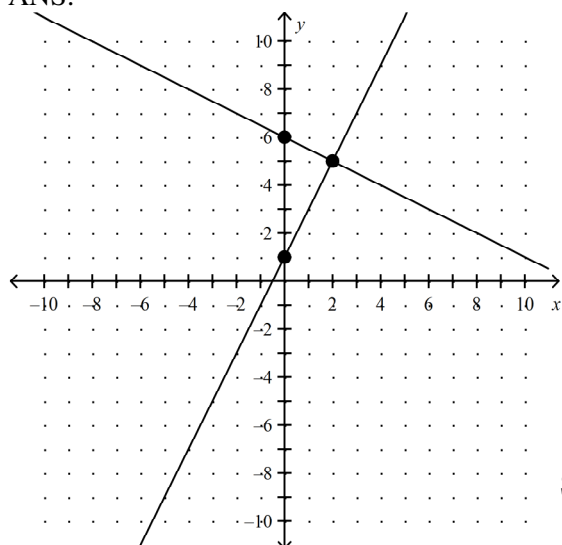
$$-x - 3y = -4 \quad 3y = -2 + 5x$$

3. Solve the following linear system of equations by **substitution** or **elimination**.

$$5x + y = -2 \quad 10x + 3y = -1$$

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**  
**Answer Section**

1. ANS:



PTS: 1

2. ANS:

Solution (1, 1)

PTS: 1

3. ANS:

(-1, 3)

PTS: 1

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class/Period: \_\_\_\_\_ Attempt # \_\_\_\_\_ ID: O

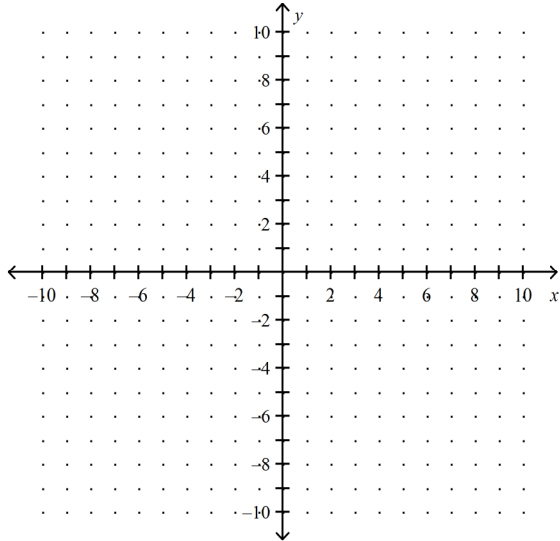
$$y = mx + b \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

Proficiency Demonstrated:      Perfect       Sufficient       Insufficient (Repeat Evaluation)

### MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems

1. Solve the following system of equations by **graphing**.

$y = -\frac{1}{2}x - 6$      $y = 3x + 1$     Answer: \_\_\_\_\_



2. Use a **formal check** to verify that the point (2, 1) is a solution to the system:

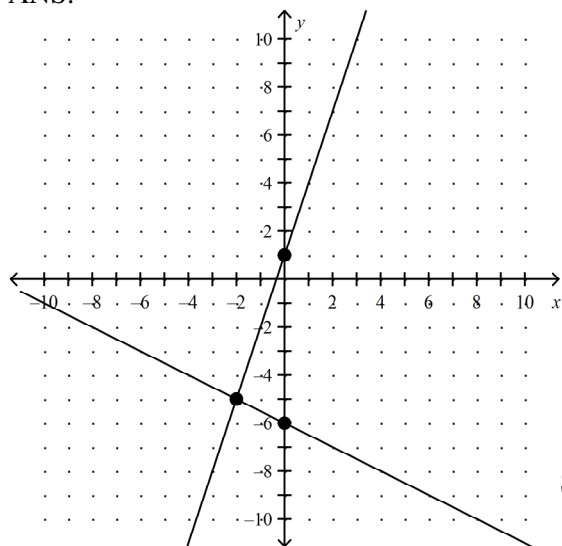
$$-2x + 2y = -2 \quad -5y = -3 - x$$

3. Solve the following linear system of equations by **substitution** or **elimination**.

$$-2x - 7y = -3 \quad -x + 3y = 5$$

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**  
**Answer Section**

1. ANS:

Solution is  $(-2, -5)$ 

PTS: 1

2. ANS:

Solution  $(2, 1)$ 

PTS: 1

3. ANS:

 $(-2, 1)$ 

PTS: 1

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class/Period: \_\_\_\_\_ Attempt # \_\_\_\_\_ ID: P

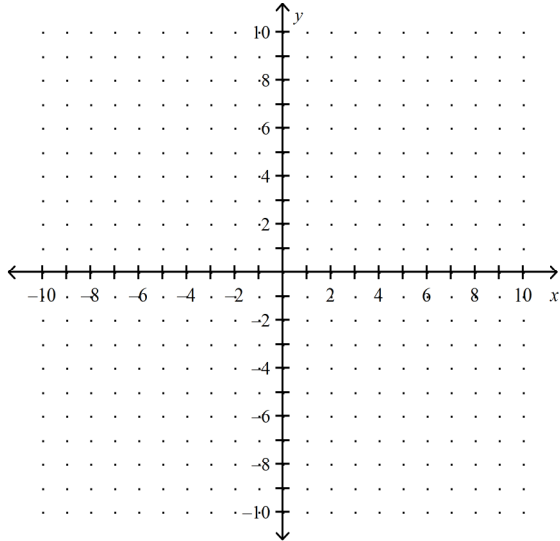
$$y = mx + b \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

Proficiency Demonstrated:      Perfect       Sufficient       Insufficient (Repeat Evaluation)

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**

1. Solve the following system of equations by **graphing**.

$y = -2x - 5$        $y = \frac{3}{2}x + 2$       Answer: \_\_\_\_\_



2. Use a **formal check** to verify that the point  $(-3, -1)$  is a solution to the system:

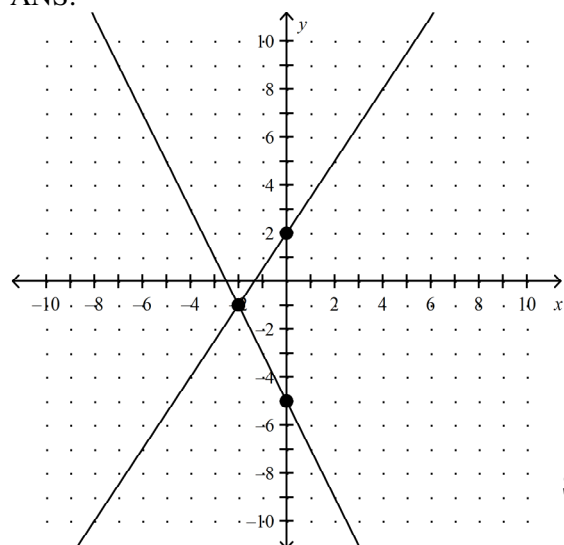
$$-2x + y = 5 \quad -y = 4 + x$$

3. Solve the following linear system of equations by **substitution** or **elimination**.

$$x - 2y = -5 \quad 7x - 3y = -2$$

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**  
**Answer Section**

1. ANS:

Solution is  $(-2, -1)$ 

PTS: 1

2. ANS:

Solution  $(-3, -1)$ 

PTS: 1

3. ANS:

 $(1, 3)$ 

PTS: 1

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class/Period: \_\_\_\_\_ Attempt # \_\_\_\_\_ ID: Q

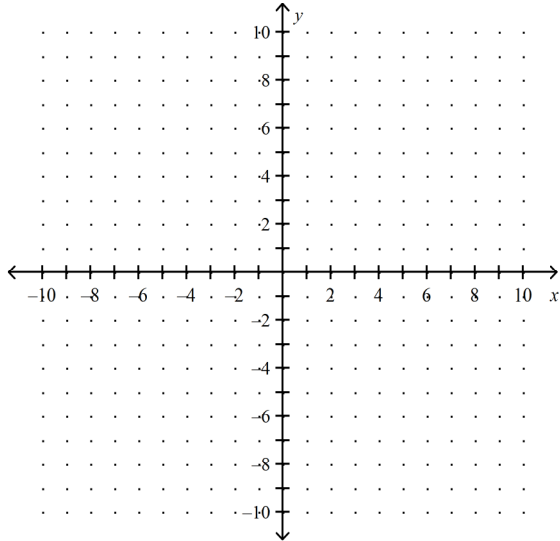
$$y = mx + b \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

Proficiency Demonstrated:      Perfect       Sufficient       Insufficient (Repeat Evaluation)

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**

1. Solve the following system of equations by **graphing**.

$y = -2x + 3$        $y = \frac{1}{2}x - 7$       Answer: \_\_\_\_\_



2. Use a **formal check** to verify that the point  $(-5, 4)$  is a solution to the system:

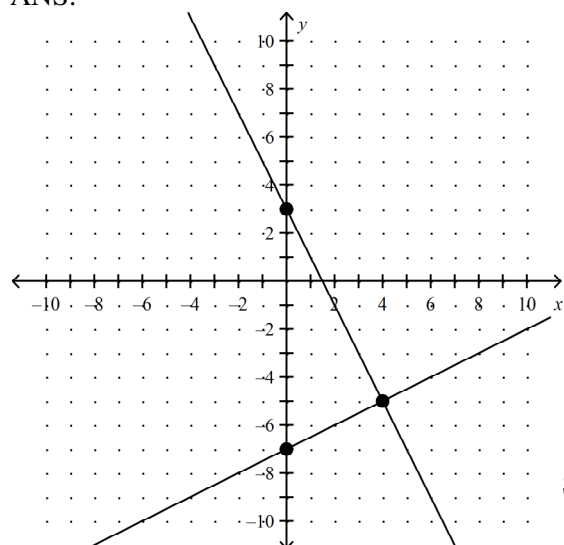
$$-3x - 5y = -5 \quad -4y = 4 + 4x$$

3. Solve the following linear system of equations by **substitution** or **elimination**.

$$-7x + 3y = 1 \quad 2x + y = 9$$

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**  
**Answer Section**

1. ANS:



PTS: 1

2. ANS:

Solution  $(-5, 4)$ 

PTS: 1

3. ANS:

 $(2, 5)$ 

PTS: 1



Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class/Period: \_\_\_\_\_ Attempt # \_\_\_\_\_ ID: R

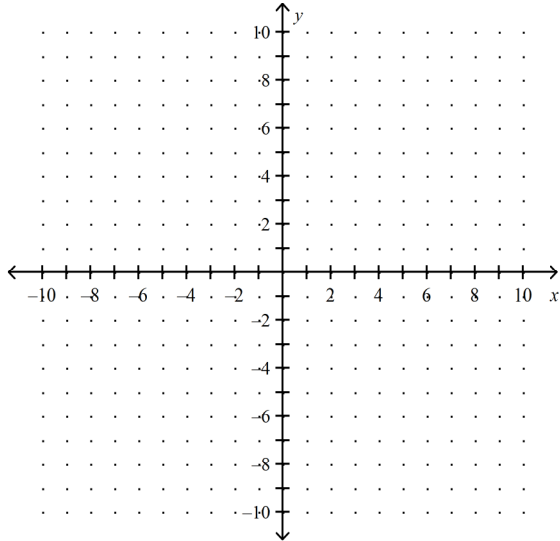
$$y = mx + b \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

Proficiency Demonstrated:      Perfect       Sufficient       Insufficient (Repeat Evaluation)

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**

1. Solve the following system of equations by **graphing**.

$y = -2x + 4$        $y = \frac{2}{5}x - 8$       Answer: \_\_\_\_\_



2. Use a **formal check** to verify that the point  $(-10, 6)$  is a solution to the system:

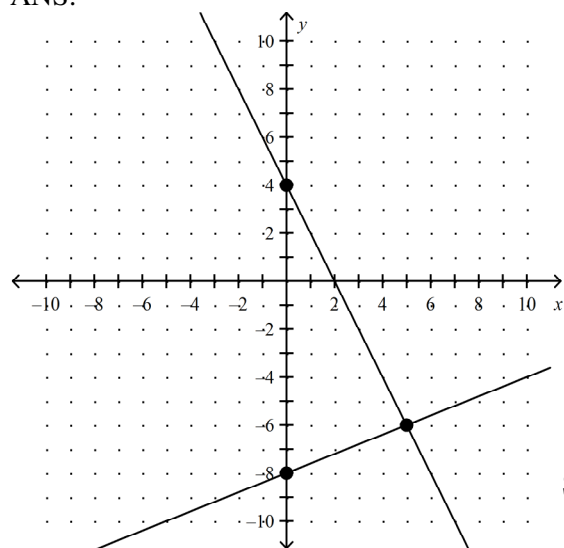
$x + y = -4$        $3y = -2 - 2x$

3. Solve the following linear system of equations by **substitution** or **elimination**.

$-x + 5y = 9$        $-8x + 7y = 6$

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**  
**Answer Section**

1. ANS:



Solution is  $(5, -6)$

PTS: 1

2. ANS:

Solution  $(-10, 6)$

PTS: 1

3. ANS:

$(1, 2)$

PTS: 1

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class/Period: \_\_\_\_\_ Attempt # \_\_\_\_\_ ID: S

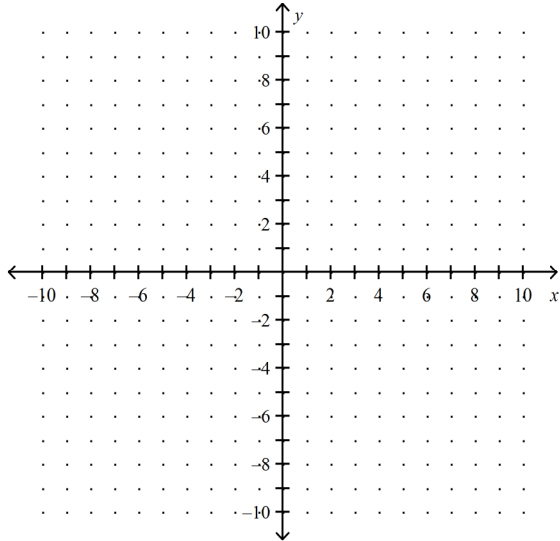
$$y = mx + b \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

Proficiency Demonstrated:      Perfect       Sufficient       Insufficient (Repeat Evaluation)

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**

1. Solve the following system of equations by **graphing**.

$y = \frac{3}{2}x + 1$        $y = -2x + 8$       Answer: \_\_\_\_\_



2. Use a **formal check** to verify that the point (2, 4) is a solution to the system:

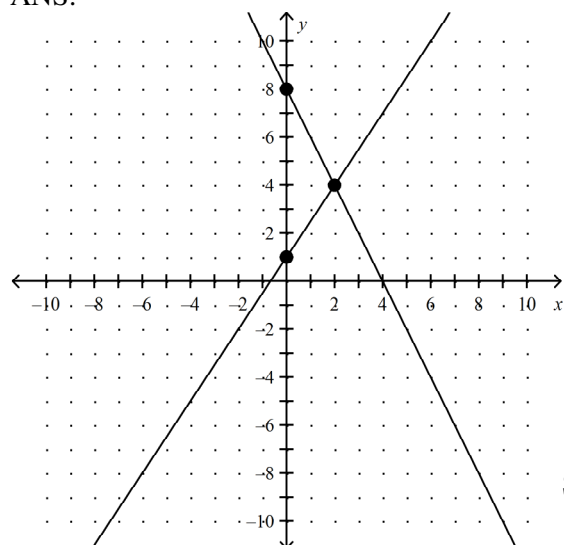
$-x + y = 2$        $-2y = 2 - 5x$

3. Solve the following linear system of equations by **substitution** or **elimination**.

$-2x - 3y = 7$        $-x - 2y = 3$

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**  
**Answer Section**

1. ANS:



PTS: 1

2. ANS:

Solution (2, 4)

PTS: 1

3. ANS:

(-5, 1)

PTS: 1

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class/Period: \_\_\_\_\_ Attempt # \_\_\_\_\_ ID: T

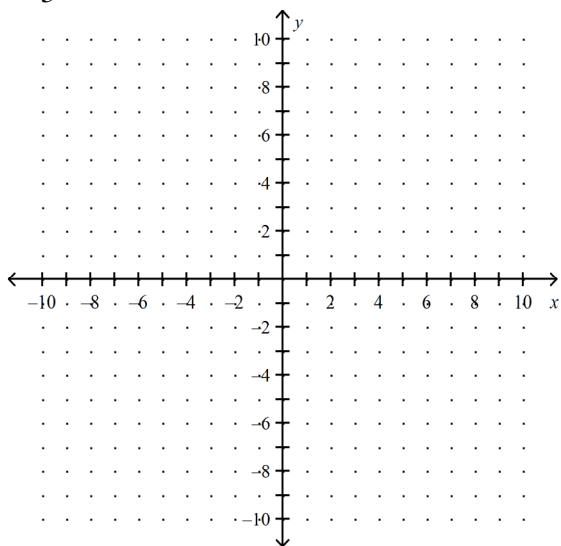
$$y = mx + b \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

Proficiency Demonstrated:      Perfect       Sufficient       Insufficient (Repeat Evaluation)

### MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems

1. Solve the following system of equations by **graphing**.

$$y = -\frac{2}{3}x - 4 \quad y = 3x + 7 \quad \text{Answer: } \underline{\hspace{2cm}}$$



2. Use a **formal check** to verify that the point  $(-1, -5)$  is a solution to the system:

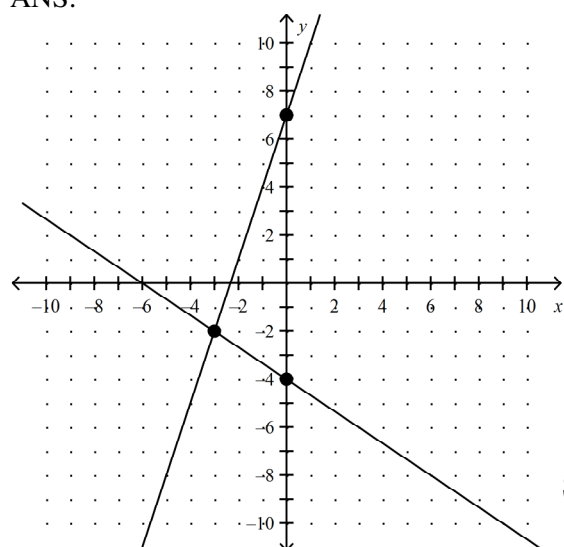
$$-4x + y = -1 \quad -2y = 5 - 5x$$

3. Solve the following linear system of equations by **substitution** or **elimination**.

$$8x + 9y = 5 \quad 2x + y = -5$$

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**  
**Answer Section**

1. ANS:



Solution is  $(-3, -2)$

PTS: 1

2. ANS:

Solution  $(-1, -5)$

PTS: 1

3. ANS:

$(-5, 5)$

PTS: 1

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class/Period: \_\_\_\_\_ Attempt # \_\_\_\_\_ ID: U

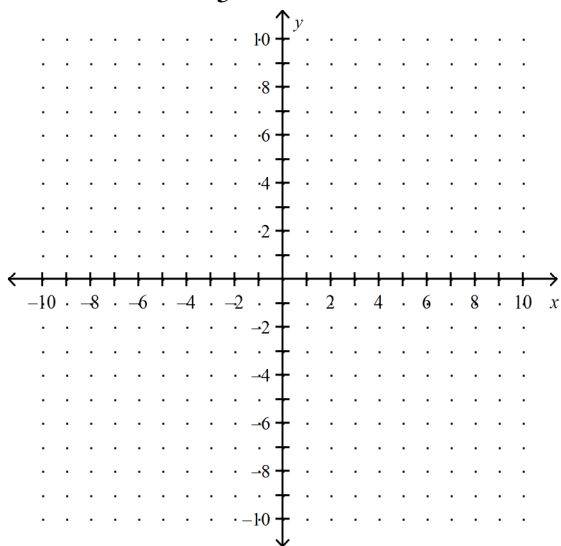
$$y = mx + b \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

Proficiency Demonstrated:      Perfect       Sufficient       Insufficient (Repeat Evaluation)

### MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems

1. Solve the following system of equations by **graphing**.

$y = -2x + 7$        $y = \frac{4}{5}x - 7$       Answer: \_\_\_\_\_



2. Use a **formal check** to verify that the point  $(-8, 3)$  is a solution to the system:

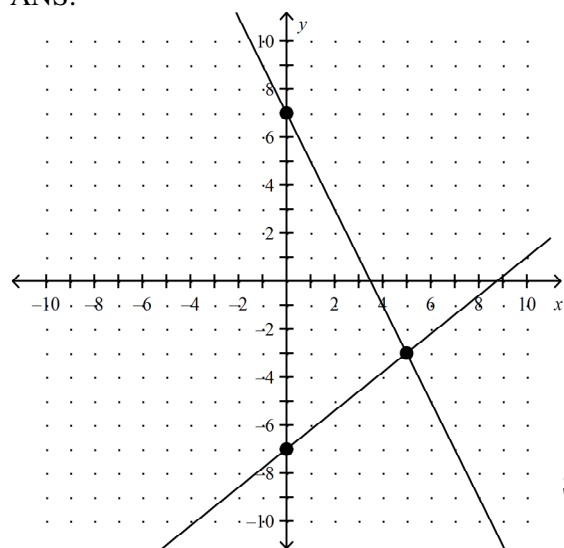
$$-x - 2y = 2 \quad 4y = 4 - x$$

3. Solve the following linear system of equations by **substitution** or **elimination**.

$$-x + 2y = -5 \quad 4x - 3y = 10$$

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**  
**Answer Section**

1. ANS:



Solution is (5, -3)

PTS: 1

2. ANS:

Solution (-8, 3)

PTS: 1

3. ANS:

(1, -2)

PTS: 1



Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class/Period: \_\_\_\_\_ Attempt # \_\_\_\_\_ ID: V

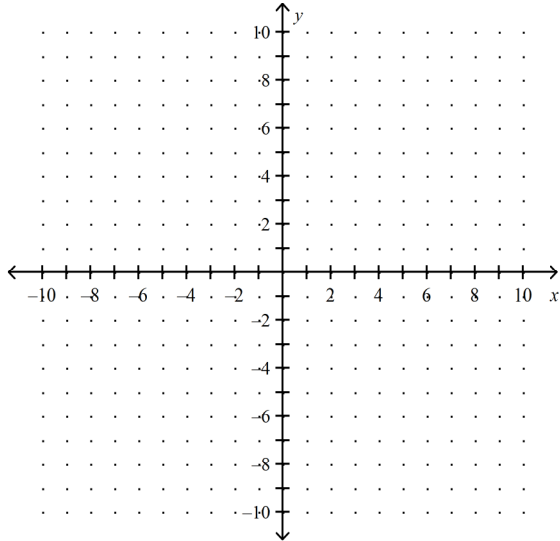
$$y = mx + b \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

Proficiency Demonstrated:      Perfect       Sufficient       Insufficient (Repeat Evaluation)

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**

1. Solve the following system of equations by **graphing**.

$y = -\frac{1}{3}x - 6$        $y = 4x + 7$       Answer: \_\_\_\_\_



2. Use a **formal check** to verify that the point (2, -3) is a solution to the system:

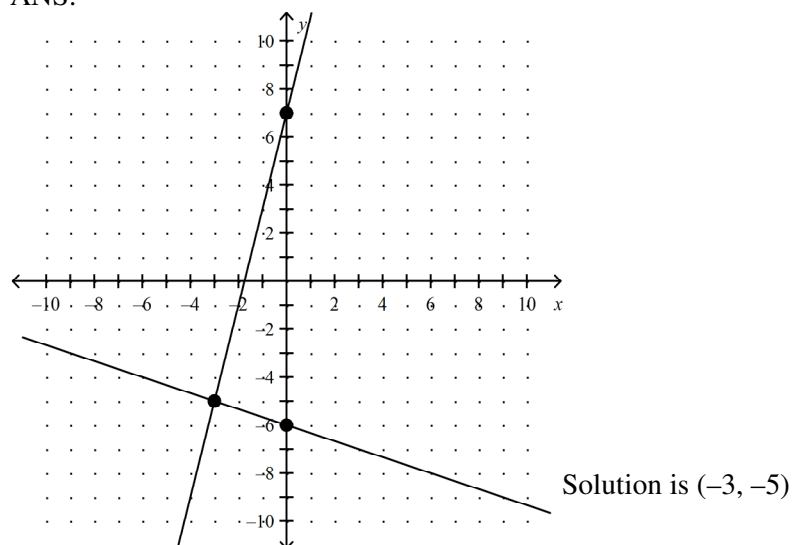
$$-5x - 2y = -4 \quad -4y = 4 + 4x$$

3. Solve the following linear system of equations by **substitution** or **elimination**.

$$-x - 2y = -9 \quad -5x - 4y = -3$$

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**  
**Answer Section**

1. ANS:



PTS: 1

2. ANS:

Solution  $(2, -3)$

PTS: 1

3. ANS:

$(-5, 7)$

PTS: 1

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class/Period: \_\_\_\_\_ Attempt # \_\_\_\_\_ ID: W

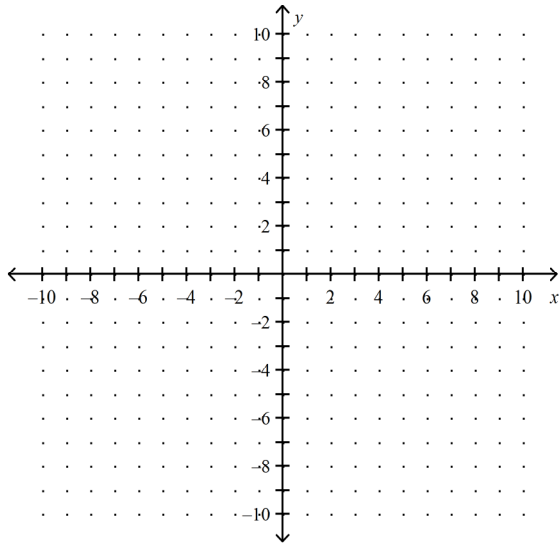
$$y = mx + b \quad m = \frac{y_2 - y_1}{x_2 - x_1}$$

Proficiency Demonstrated:      Perfect       Sufficient       Insufficient (Repeat Evaluation)

### MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems

1. Solve the following system of equations by **graphing**.

$y = \frac{1}{3}x + 7$        $y = -4x - 6$       Answer: \_\_\_\_\_



2. Use a **formal check** to verify that the point  $(-4, 5)$  is a solution to the system:

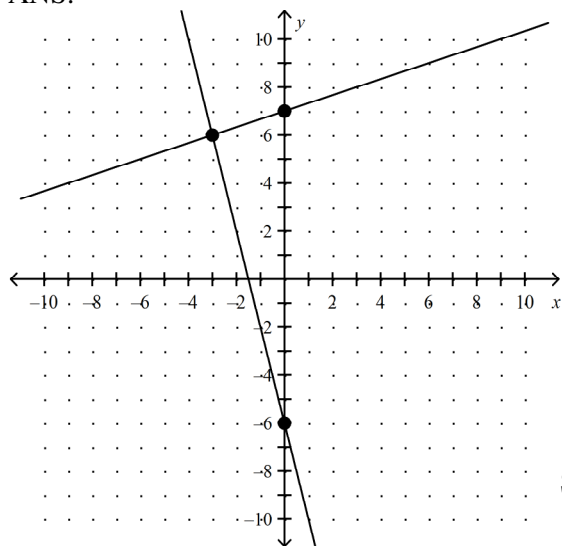
$$-3x - 2y = 2 \quad y = 1 - x$$

3. Solve the following linear system of equations by **substitution** or **elimination**.

$$-2x - 9y = 5 \quad x - 3y = -10$$

**MPM2D - Essential Skills Proficiency Assessment # 1 - Solving Linear Systems**  
**Answer Section**

1. ANS:

Solution is  $(-3, 6)$ 

PTS: 1

2. ANS:

Solution  $(-4, 5)$ 

PTS: 1

3. ANS:

 $(-7, 1)$ 

PTS: 1