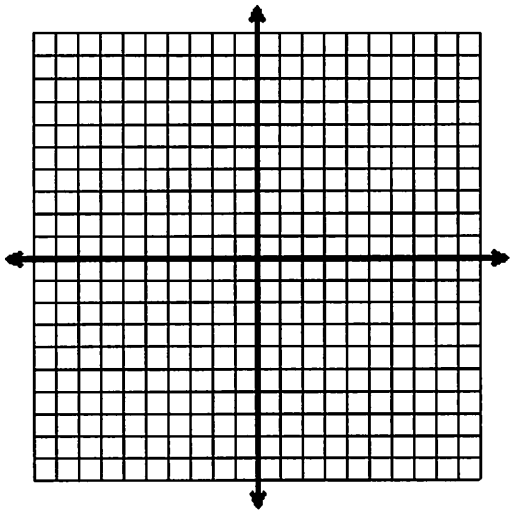
Graphing Systems of Equations Homework Name _____

1. A: $y = 2x + 5$

B: $y = 6x + 1$



Solution: _____

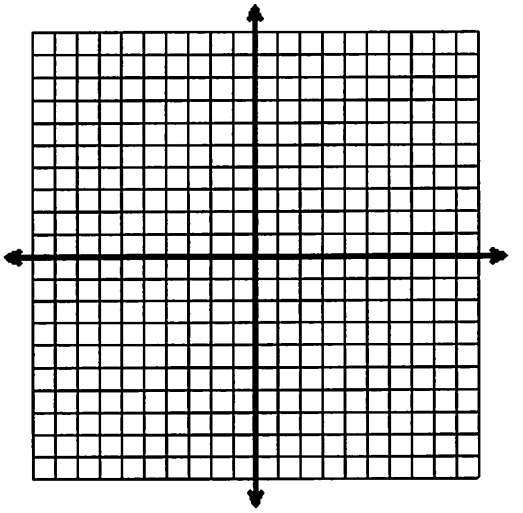
Check:

A:

B:

2. A: $y = \frac{4}{3}x - 2$

B: $y = \frac{2}{3}x$



Solution: _____

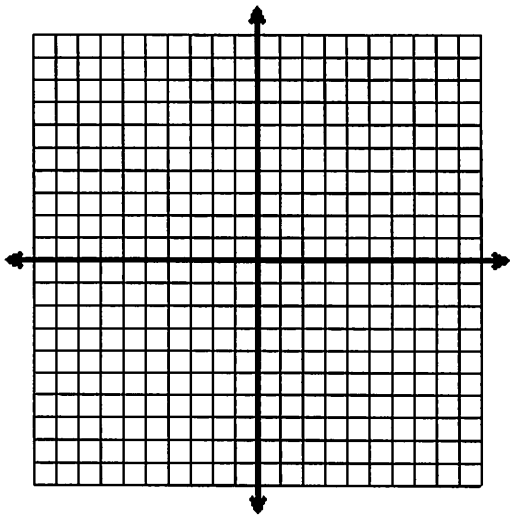
Check:

A:

B:

1. A: $y = -1$

B: $y = -\frac{5}{2}x + 4$



Solution: _____

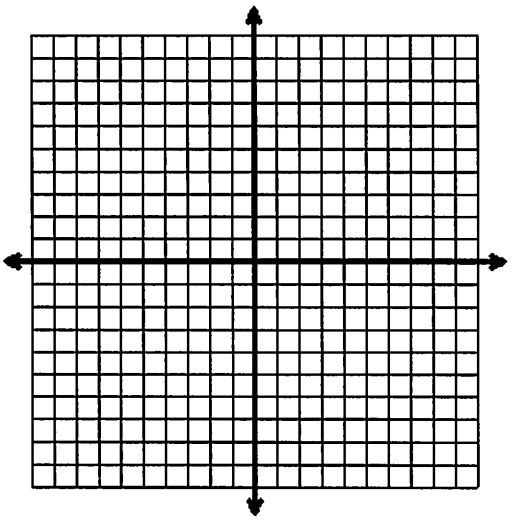
Check:

A:

B:

4. A: $y = -\frac{3}{2}x - 4$

B: $2y = x + 8$



Solution: _____

Check:

A:

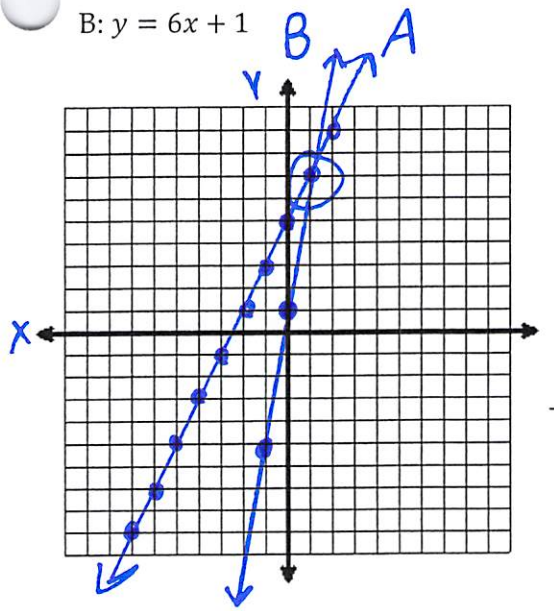
B:

Graphing Systems of Equations Homework

Name Key

1. A: $y = 2x + 5$

B: $y = 6x + 1$



Solution: (1, 7)

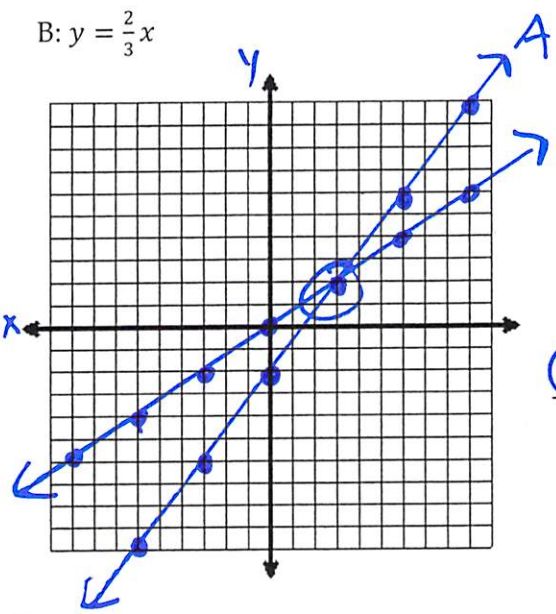
Check:

A:
$y = 2x + 5$
$7 = 2(1) + 5$
$7 = 7$ ✓

B:
$y = 6x + 1$
$7 = 6(1) + 1$
$7 = 7$ ✓

2. A: $y = \frac{4}{3}x - 2$

B: $y = \frac{2}{3}x$



Solution: (3, 2)

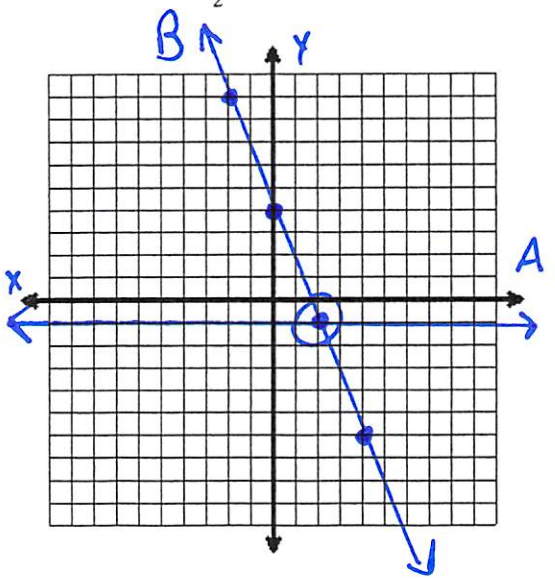
Check:

A:
$y = \frac{4}{3}x - 2$
$2 = \frac{4}{3}(3) - 2$
$2 = 4 - 2$
$2 = 2$ ✓

B:
$y = \frac{2}{3}x$
$2 = \frac{2}{3}(3)$
$2 = 2$ ✓

1. A: $y = -1$

B: $y = -\frac{5}{2}x + 4$



Solution: (2, −1)

Check:

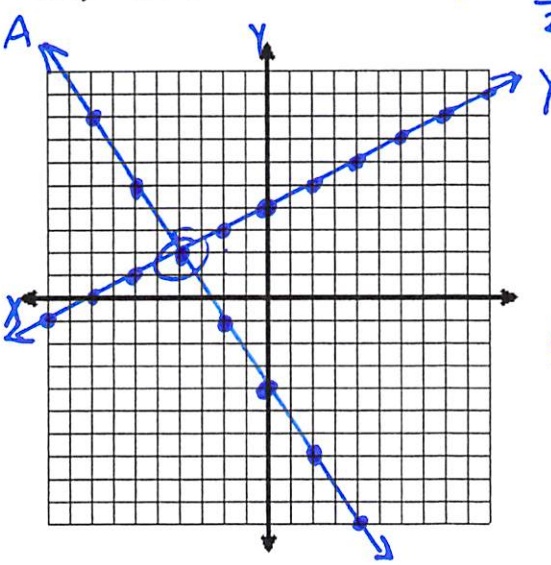
A: $y = -1$
$-1 = -1$ ✓

B:
$y = -\frac{5}{2}x + 4$
$-1 = -\frac{5}{2}(2) + 4$
$-1 = -5 + 4$
$-1 = -1$ ✓

4. A: $y = -\frac{3}{2}x - 4$

B: $2y = x + 8$ → $\frac{2y}{2} = \frac{x}{2} + \frac{8}{2}$

$y = \frac{1}{2}x + 4$



Solution: (−4, 2)

Check:

A:
$y = -\frac{3}{2}x - 4$
$2 = -\frac{3}{2}(-4) - 4$
$2 = 6 - 4$
$2 = 2$ ✓

B:
$2y = x + 8$
$2(2) = -4 + 8$
$4 = 4$ ✓