

Solving by Graphing & Substitution

Name: _____

Accelerated 7th Grade Math

Solve the following systems of equations by graphing and substituting. Make sure your solutions are the same!

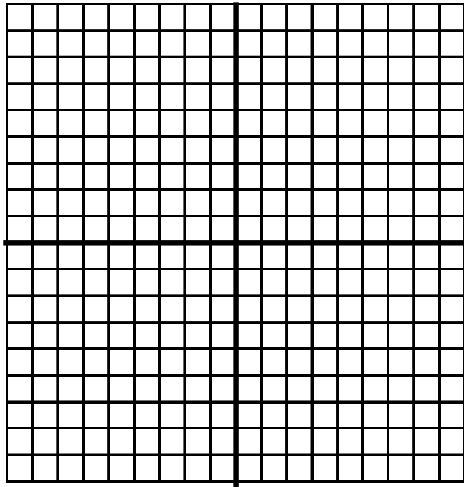
1)

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

$$y = -3x + 7$$

Graphing

Substitution



Solution = _____

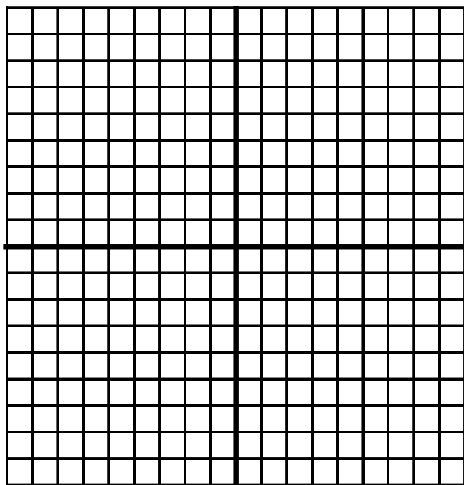
2)

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

$$3x + 4 = y$$

Graphing

Substitution



Solution = _____

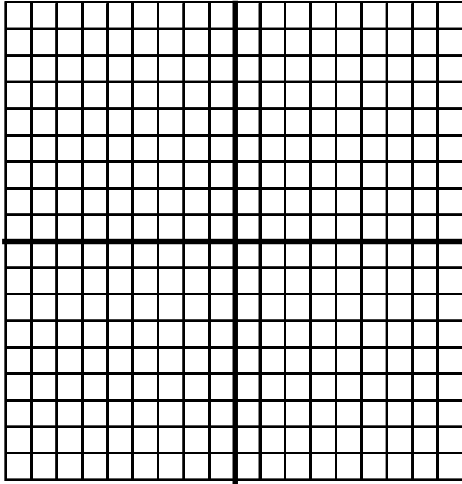
3)

$$-2x = 1 - y$$

$$3y = x - 12$$

Graphing

Substitution



Solution = _____

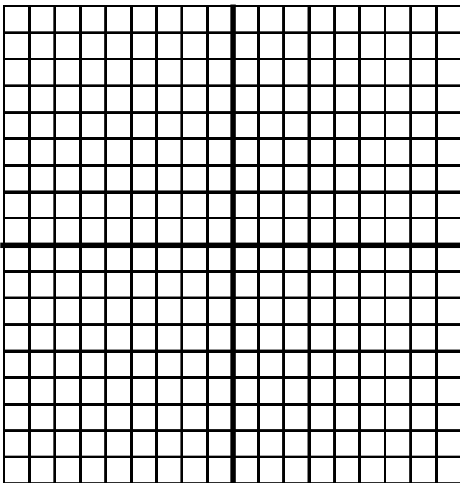
4)

$$y - 2x = 6$$

$$4x - 2y = 8$$

Graphing

Substitution



Solution = _____

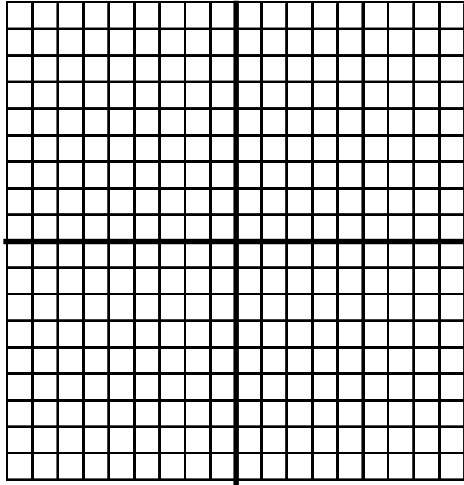
5)

$$y = -4x + 8$$

Graphing

$$y = x + 7$$

Substitution



Solution = _____

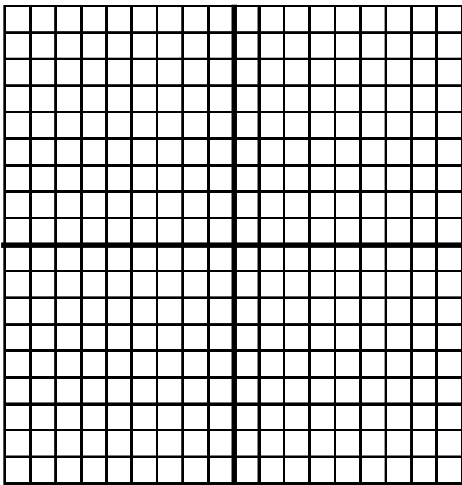
6)

$$x + y = 4$$

Graphing

$$8 - 2y = 2x$$

Substitution



Solution = _____

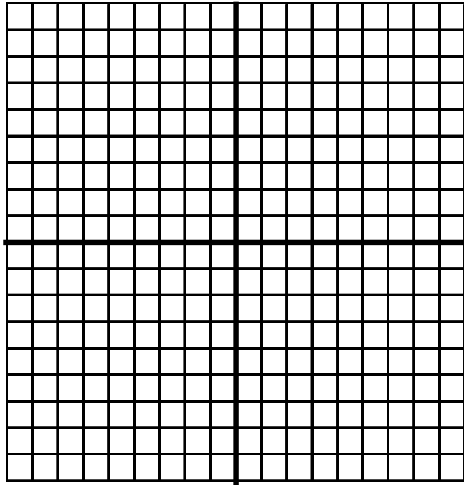
7)

$$x + 6 = y$$

$$12 = 2y + x$$

Graphing

Substitution



Solution = _____

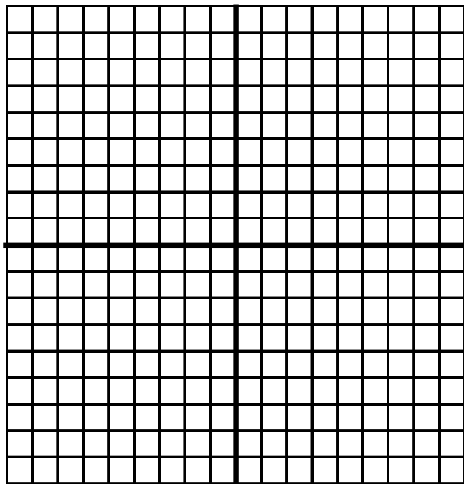
8)

$$y = -x + 4$$

$$y = 4x - 2$$

Graphing

Substitution



Solution = _____