Thread 1, Quiz 1 – Solving Linear Systems

/K 10 /C 5

Version A

Marks *For all questions, use good form. Show your work: do not simply write a final answer.*

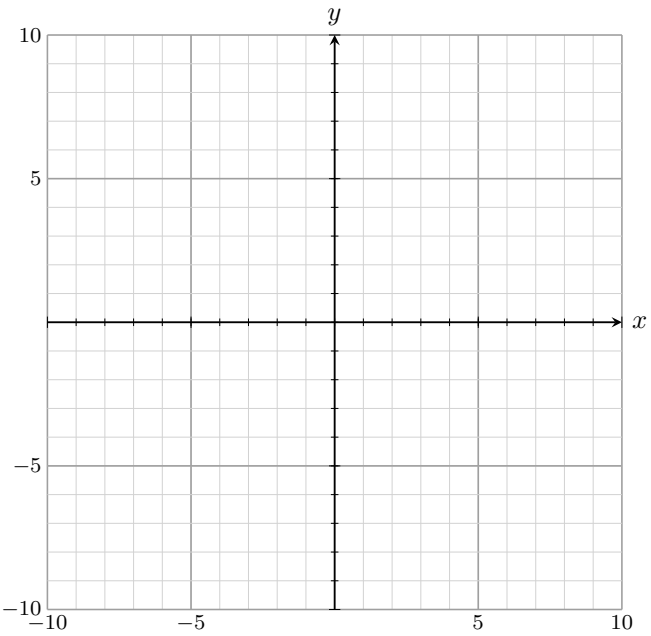
K 3 1. Solve the linear system by graphing.

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

Solution appears to be:

(,)

Fill in the blanks above.



C 5 2. Your friend thinks that $(4,\ 1)$ is the solution to the following linear system:

$$x - y = 3$$
$$3x + y = 5$$

Do a complete left-side / right-side check.

Then, state whether the solution is correct or not, and *why*.

Marks

K 3 3. Solve the following linear system by substitution.

$$-4x - 5y = -17$$
$$3x + y = 10$$

K 4 4. Solve the following linear system by elimination.

$$5x - 4y = -2$$
$$2x - 3y = -5$$