

East Los Angeles College
Department of Mathematics
Math 115
Practice Test 2

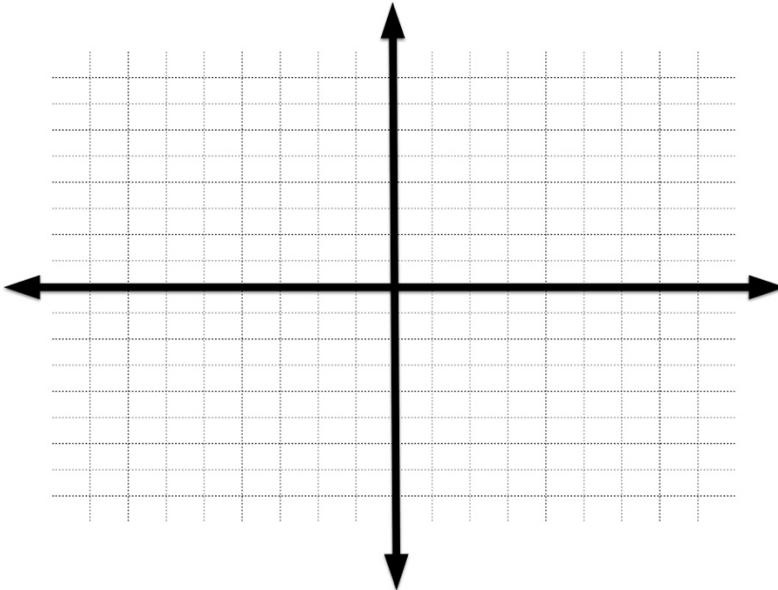
Solve for the indicated variable.

1) $d = rt$ for t

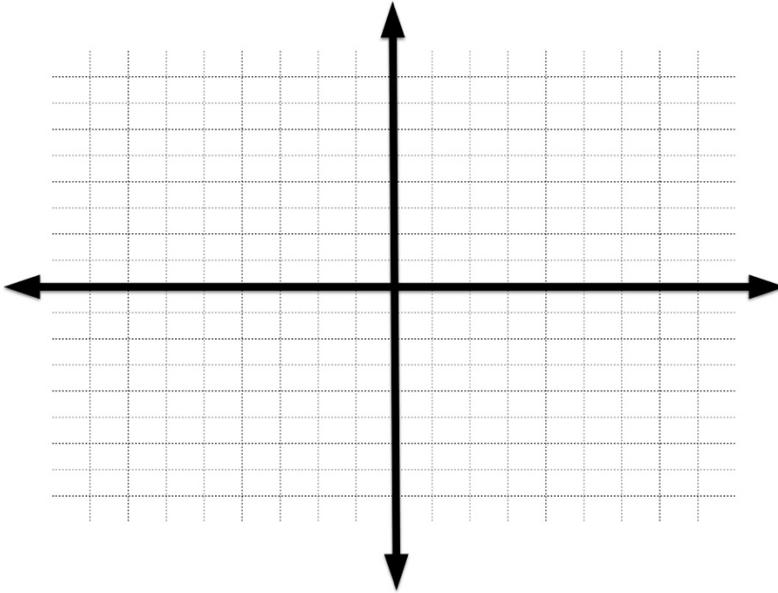
2) $p = 2l + 2w$ for w

Graph the following linear equations

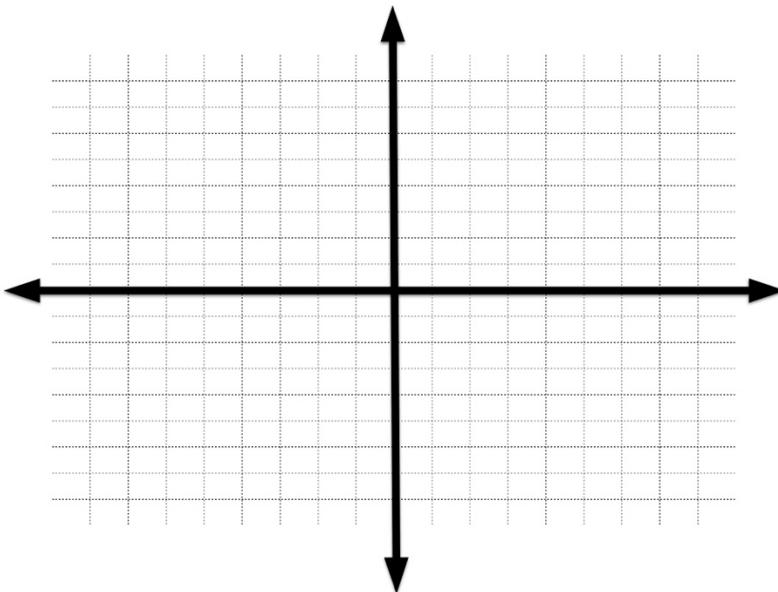
3) $x + y = 7$



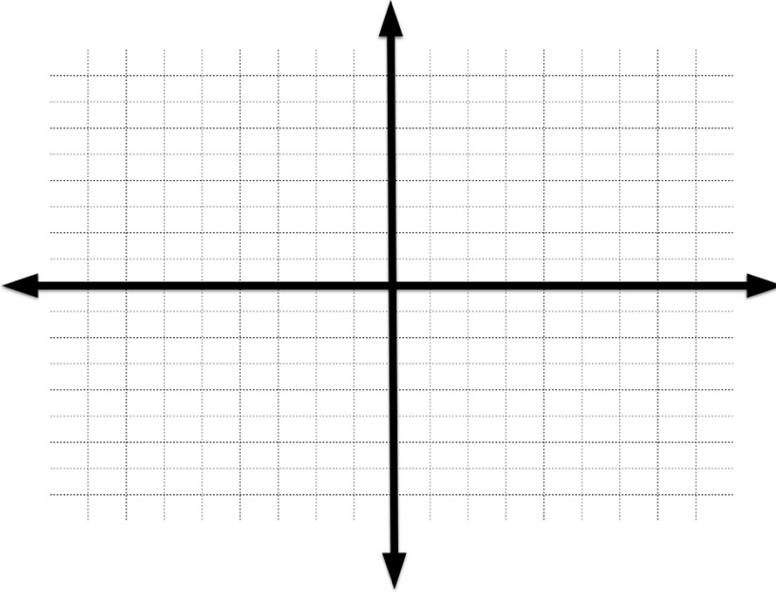
4) $x - y = -5$



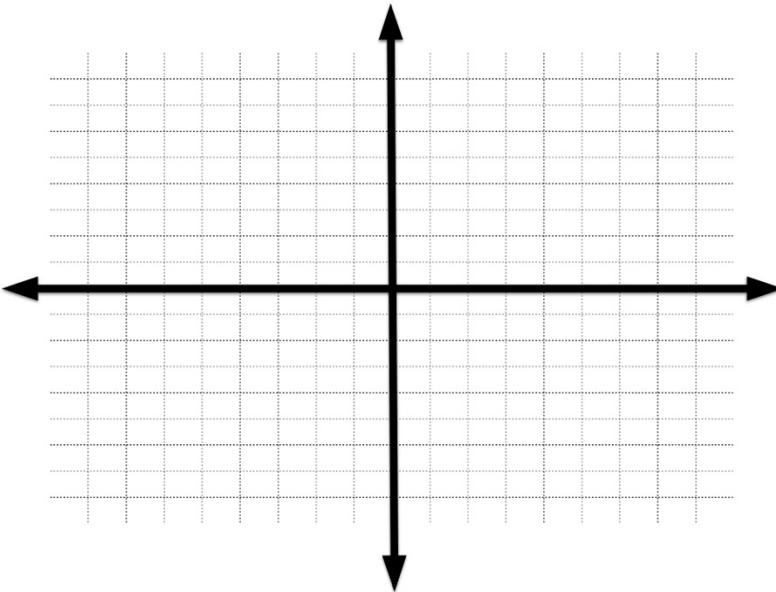
5) $2x + y = 6$



6) $2x - y = 3$



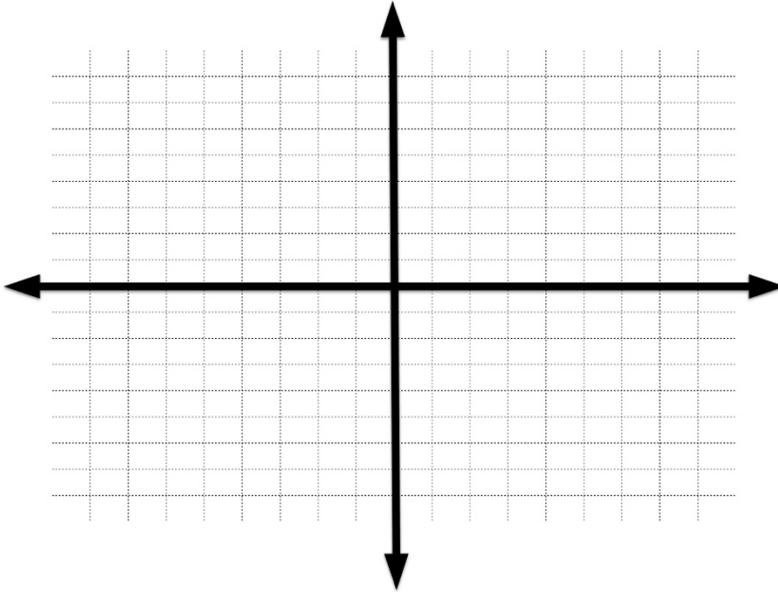
7) $y = -4$



8) Solve the linear system by graphing.

$$2x + 3y = 3$$

$$x - y = -6$$



Determine the equation of the line that:

9) Passes through the point $(2, -4)$ with slope -3

10) Passes through the points $(2, -4)$ and $(3, -2)$

11) Passes through the point $(0, 4)$ and is parallel to the equation $x + 4y = 12$

12) Passes through the point $(1, 2)$ and is perpendicular to the equation $x + 2y = 6$

13) Solve the system by the Addition Method.

$$2x + y = 9$$

$$3x - 5y = 7$$

14) Solve the system by the Substitution Method.

$$x + 3y = 4$$

$$2x - 5y = 8$$