

Do Now: Linear Systems 6

1) The perimeter of a rectangle is 32 inches. The length is 3 times the width.

If x = the width of the rectangle and y = the length, which linear system models the situation?

A. $x + y = 32$
 $x = 3y$

C. $2x + 2y = 32$
 $x = 3y$

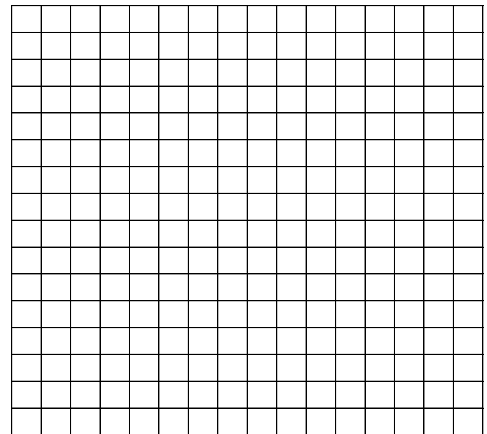
B. $x + y = 32$
 $y = 3x$

D. $2x + 2y = 32$
 $y = 3x$

2) Solve by graphing.

$$y = -3$$

$$2x + y = 1$$



Solution: _____

3) Solve using substitution.

$$y = -7$$

$$y = 3$$

4) Solve using substitution.

$$-x + 2y = -1$$

$$x = y + 4$$