2.3.16

3) $\frac{x}{y} = 6$

$4(y + 1) = x$

If (x, y) is the solution to the system of equations above, what is the value of y?

A) 2   B) 4   C) 12   D) 24

$y\left(\frac{4(y+1)}{y}\right) = (6)\,y$

$4y + 4 = 6y$
$\quad -4y \quad -4y$

$\frac{4}{2} = \frac{2y}{2}$

$2 = y$