

Systems of Equations

A) Determine whether the ordered pair is a solution to the given system of equations.

1) $(2, 6)$;
$$\begin{aligned} 39 &= 2m + 5n \\ -3m - 7n &= -50 \end{aligned}$$

2) $(-1, -4)$;
$$\begin{aligned} -7a + 4b &= -9 \\ 6a &= -10 - b \end{aligned}$$

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2) Check whether $(1, -3)$ is a solution to the systems of linear equations.

a)
$$\begin{aligned} 4r + 5s - 35 &= 0 \\ 4r + s - 15 &= 0 \end{aligned}$$

b)
$$\begin{aligned} 8u - 3v - 1 &= 0 \\ 4u - v &= 7 \end{aligned}$$