

Systems of Equations

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

1) $(-7, 8)$;
$$\begin{aligned} -7b &= -77 - 3a \\ 5a + 2b + 19 &= 0 \end{aligned}$$

2) $(3, -1)$;
$$\begin{aligned} 9d - 8c &= -33 \\ 6c - 3d &= 21 \end{aligned}$$

3) $(5, 12)$;
$$\begin{aligned} -8s + 5t &= 2q \\ 4t - 7s &= 54 \end{aligned}$$

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B) Check whether the ordered pair is a solution to the given system of linear equations.

5)
$$\begin{aligned} 7u - 6v &= 38 \\ 16 &= -4u + v \end{aligned}$$

C) Write a system of linear equations that has the solution $(-9, -10)$.
