

Systems of Equations

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

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

2) $(0, 6)$; $\begin{cases} -9 = p + 2q \\ 9p - 8q = 54 \end{cases}$

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2) Check whether $(-5, 7)$ is a solution to the systems of linear equations.

a) $\begin{cases} -5m + 7n = 74 \\ m - 5n = -40 \end{cases}$

b) $\begin{cases} 3r = -22 + 5s \\ -2s - 9r = 47 \end{cases}$