One Solution, No Solution, Infinitely Many Solutions

Independent Set 11.03

Name_____
Date_____
Period_____

Six questions, on your own, in silence. Show the step that does the work.

1. How many solutions does $6h - 5 = 2h + 19$ have? If one, find it.

2. How many solutions does $0.5(6n - 4) = 3n + 2$ have? If one, find it.

3. How many solutions does $5(k + 2) - 3 = 5k + 7$ have? If one, find it.

4. How many solutions does $3(2v + 5) = 15 - v$ have? If one, find it.

5. What number goes in the box so that $6(x - 2) + 1 = 6x - \square$ has infinitely many solutions?

6. What number goes in the box so that $3(4x+1)=\square x+7$ has no solution?