SYSTEM OF EQUATIONS

Find the number of solutions of the given set of equations and,

find the solution by substitution or elimination if the sets of equation have one solution.

1) $y + 7x = 50$
$14x - 5y = -28$

- No solution
- Infinitely many solution
- Only One solution

2) $3s = -18r + 15$
$12r + 2s = 10$

- No solution
- Infinitely many solution
- Only One solution

3) $54 = -6a + 18b$
$3a - 9b = -27$

- No solution
- Infinitely many solution
- Only One solution

4) $2q = 20 + 5r$
$6q - 15r = 12$

- No solution
- Infinitely many solution
- Only One solution

5) $-4s + 2t = 13$
$8s - 6t = 42$

- No solution
- Infinitely many solution
- Only One solution

6) $5y - 20z = 45$
$y - 4z = 9$

- No solution
- Infinitely many solution
- Only One solution

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7) $14m = 3n + 8$
$-6n + 28m = 12$

- No solution
- Infinitely many solution
- Only One solution

8) $-11 = -20u + 5v$
$6u + v = 22$

- No solution
- Infinitely many solution
- Only One solution

9) $-4p + 12q = 36$
$-p + 3q - 9 = 0$

- No solution
- Infinitely many solution
- Only One solution

10) $-c + 10d = 0$
$-20d + 2c = 3$

- No solution
- Infinitely many solution
- Only One solution

11) $-9b + 3c = 22$
$6b - 2c = -11$

- No solution
- Infinitely many solution
- Only One solution

12) $-7 = m - 4n$
$-3m + 10n - 28 = 0$

- No solution
- Infinitely many solution
- Only One solution

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