

Name : _____

Systems of Equations

Sheet 2

Determine whether each system of linear equations has 'unique solution', 'no solution' or 'infinitely many solutions'.

1) $-18u - 24v + 12 = 0$
 $6u + 8v = 4$

2) $-5p = 11 - 4q$
 $8q = -15p + 44$

3) $2s + 3t - 7 = 0$
 $-4t + 12s = -49$

5) $10a = 16b - 44$
 $-5a + 8b = 26$

7) $3r - 6s = -12$
 $-9r + 18s - 36 =$

9) $-7 = m - 4n$
 $-3m + 10n - 28 = 0$

10) $-9b + 3c = 22$
 $6b - 2c = -11$

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Systems of Equations

Determine whether each system of linear equations has 'unique solution', 'no solution' or 'infinitely many solutions'.

1) $-18u - 24v + 12 = 0$
 $6u + 8v = 4$

2) $-5p = 11 - 4q$
 $8q = -15p + 44$

infinitely many solutions**unique solution**

3) $2s + 3t - 7 = 0$
 $-4t + 12s = -49$

unique solution**no solution**

5) $10a = 16b - 44$
 $-5a + 8b = 26$

no solution**infinitely many solutions**

7) $3r - 6s = -12$
 $-9r + 18s - 36 = 0$

infinitely many solutions**unique solution**

9) $-7 = m - 4n$
 $-3m + 10n - 28 = 0$

unique solution

10) $-9b + 3c = 22$
 $6b - 2c = -11$

no solution**PREVIEW**

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