

Name : _____

Systems of Equations

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

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

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

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

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

5) $-4s + 2t - 13 = 0$
 $8s - 6t = 42$

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

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

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

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

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