

Name : _____

Systems of Equations

Sheet 1

Write whether each system of equations is dependent or independent.

1) $-9r + 8s = 50$
 $13r - 5s = 3$

2) $2q = -7p + 9$
 $14p + 4q = 18$

3) $30 = 15y - 12x$
 $-4x + 5y = 10$

4) $-11u = 14v + 27$
 $17u - 44 = -6v$

5) $m + n = 35$
 $10m = 28 - 13n$

6) $16y - 15z = 0$
 $8z = 5y + 23$

7) $18a + 3b = 37$
 $7a - 14b = 29$

8) $-5c + 3d = -12$
 $48 = 20c - 12d$

9) $16v - 10w = 44$
 $-5w + 8v = 22$

10) $12s + 18t = 36$
 $2s - 6 = -3t$

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Answer key

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dependent