

Name : _____

Systems of Equations

Sheet 1

Write whether each system of equations is consistent or inconsistent.

1) $4x + 5y = 25$
 $3x - y = 17$

2) $13 = 8p - 6q$
 $10 = -3q + 4p$

3) $-28 = -10m + 18n$
 $-5m + 9n = -14$

4) $5a = 3b + 6$
 $8a + 9b = 3$

5) $12s = 16r - 5$
 $-4r + 3s = 17$

6) $c + 2d = 9$
 $10d = -6 + 5c$

7) $19b = 8c - 21$
 $13c = 14b + 17$

8) $18v + 9w - 22 = 0$
 $6v + 3w - 35 = 0$

9) $7u = -8v - 11$
 $-14u = 16v + 33$

10) $15 = -2s + 6t$
 $-4s + 12t = 30$

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Answer key

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consistent

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inconsistent

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consistent