

Name: \_\_\_\_\_ Show work needed to justify your answer. Date: \_\_\_\_\_

**HW # 38:** Algebra 1 - Standard 24 - Graphing Systems of Equations

5 points

---

**Determine the number of solutions the system has. Then state whether the system of equations is *consistent* or *inconsistent* and if it is *independent* or *dependent*.**

5.  $y = \frac{1}{2}x$   
 $y = x + 2$

6.  $4x - 6y = 12$   
 $-2x + 3y = -6$

---

8.  $2x + 3y = 10$   
 $4x + 6y = 12$

12.  $y = 4x + 2$   
 $y = -2x - 4$

---

13.  $y = x - 6$   
 $y = x + 2$

14.  $x + y = 4$   
 $3x + 3y = 12$