Systems of Linear Equations in Two Variables - Key

In problems 1-2, solve each system of equations by graphing.

1. (1,4)	2. (2,3)

In problems 3-5, solve the system of equations using substitution.

3. (4,–2)	4. (2,6)
5. $\left(\dfrac{-5}{4}, \dfrac{-5}{4}\right)$	

In problems 6-8, solve the system of equations using elimination.

6. (3,0)	7. (1,–4)
8. (6,–12)	

In problem 9, use either substitution or elimination to show that the system is inconsistent.

9. inconsistent	

In problem 10, use either substitution or elimination to show that the system is consistent and its equations are dependent.

10. dependent	