1. Graph the system:

\[ x + 2y = 6 \]
\[ 2y - x = -6 \]

A)

B)

C)

D)
2. Graph the system:
   \[ y + 3x = 3 \]
   \[ 3y + 9x = 18 \]

A) \hspace{1cm} \hspace{1cm} B)

C) \hspace{1cm} \hspace{1cm} D)

3. Solve the system by substitution:
   \[ x - 3y = -11 \]
   \[ -2x + 6y = 25 \]
   A) dependent (infinitely many solutions)
   B) (-2, 3)
   C) inconsistent (no solution)
   D) (-2, 4)
4. Solve the system by substitution:
\[ x - 3y = -10 \]
\[ -4x + 12y = 40 \]
A) dependent (infinitely many solutions)
B) inconsistent (no solution)
C) \((-4, 2)\)
D) \((-4, -2)\)

5. Solve the system:
\[ x - 4y = -9 \]
\[ 2x + y = 9 \]
A) dependent (infinitely many solutions)
B) \((3, -3)\)
C) \((3, 3)\)
D) inconsistent (no solution)

6. Solve the system:
\[ 3x - 4y = -11 \]
\[ 6x - 8y = -3 \]
A) dependent (infinitely many solutions)
B) \((1, 2)\)
C) \((-1, 2)\)
D) inconsistent (no solution)
PRACTICE TEST

7. Solve the system:
   \[2y + 3x = 11\]
   \[12x + 8y = 44\]
   A) (1, 4)
   B) inconsistent (no solution)
   C) dependent (infinitely many solutions)
   D) (1, -4)

8. Jane has $2.00 in nickels and dimes. She has twice as many dimes as nickels. How many nickels and how many dimes does she have?
   A) 16 nickels and 8 dimes
   B) 8 nickels and 16 dimes
   C) 12 nickels and 6 dimes
   D) 6 nickels and 17 dimes

9. The sum of two numbers is 150. Their difference is 60. What are the numbers?
   A) 45 and 105
   B) 35 and 115
   C) 40 and 110
   D) 55 and 95

10. A plane flies 300 miles with a tail wind in 1 hour. It takes the same plane 2 hours to fly the 300 miles when flying against the wind. What is the plane's speed in still air?
    A) 75 mph
    B) 300 mph
    C) 150 mph
    D) 225 mph