

PRACTICE

Find the solution to each system of equations.

1. $y = -2x + 1$
 $3x - 2y = -16$

2. $2x + 5y = 4$
 $-3x - 10y = -1$

3. $2y = 4x - 1$
 $8x + 6y = 7$

4. $-3x + 5y = 9$
 $4x - 5y = -12$

Tell whether each system is *inconsistent* or *dependent*. Also, tell how many solutions the system has.

5. $y = 4x - 3$
 $20x - 5y = 15$

6. $3x = 6 - 4y$
 $16y - 21 = -12$

INDEPENDENT PRACTICE

Find the zeros of each function.

1. $f(x) = (x + 2)(x - 8)$

2. $f(x) = 3(x - 1)(x - \frac{1}{2})$

3. $f(x) = x^2 - 5x$

4. $f(x) = x^2 - 9$

5. $f(x) = x^2 - 6x + 5$

6. $f(x) = 3x^2 - 9x + 6$