Practice 2
M12/C. Math

1. If $3x - 2 = 8$, what is the value of $6x + 1$?
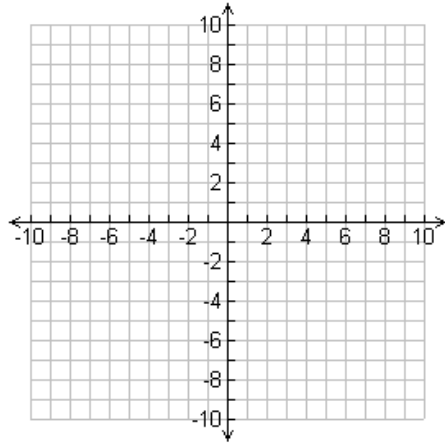
2. Find the ordered pair (x, y) that satisfies the system of equations below.
$$2x - y = 3$$
$$5x + 3y = 13$$

3. Line l has slope of -2. If it passes (0, k) and (2, 0), find k.

4. Given: $A = \frac{2B}{3+5B}$. Solve for B.

5. The graph of a line in the *xy*-plane has slope 3 and contains the point (2, 9). The graph of a second line passes through the points (3, 4) and (4, 3). If the two lines intersect at the point (*a*, *b*), what is the value of *a* + *b* ?

6. What is the sum and product of the roots for $3x^2 + 11x = 6$?

7. Express the given expressions with quotient and remainder.

$$\frac{5x}{x+3}$$