

Practice 1
M12/C. Math

1. If $2x - 3 = 8$, what is the value of $6x + 1$?

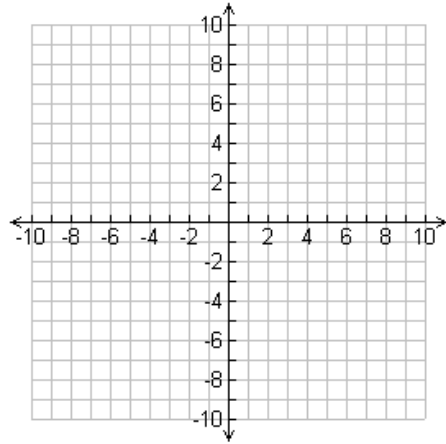
2. Find the ordered pair (x, y) that satisfies the system of equations below.

$$\begin{aligned}x - y &= 4 \\ 2x + 3y &= 3\end{aligned}$$

3. Line l has slope of $1/3$. If it passes $(0, -2)$ and $(k, 0)$, find k .

4. Given: $A = \frac{B}{3-B}$. Solve for B .

5. The graph of a line in the xy -plane has slope 2 and contains the point $(1, 8)$. The graph of a second line passes through the points $(1, 2)$ and $(2, 1)$. 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 $2x^2 - 8x = 5$?

7. Express the given expressions with quotient and remainder.

$$\frac{3x}{x - 2}$$