

Practice 2
M12/C. Math

1. Given: $xy + z = 2x - z^2$
Solve for x

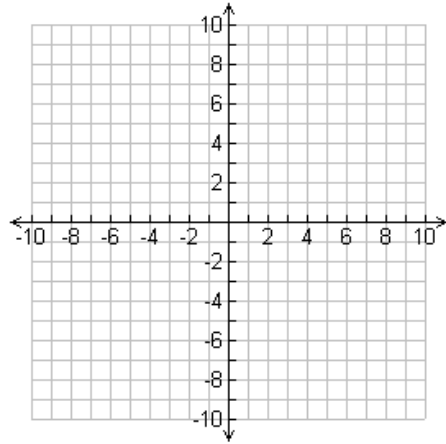
2. Find the ordered pair (x, y) that satisfies the system of equations below.

$$\begin{aligned}x + 2y &= 4 \\ 3x + 3y &= 9\end{aligned}$$

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

4. Given: $A = \frac{B-1}{1+2B}$. Solve for B .

5. The graph of a line, $y = 2x - 1$ in the xy -plane. The graph of a second line passes through the points $(-1, 3)$ and $(2, 0)$. 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 $2x^2 - x = 2$?

7. Express the given expressions with quotient and remainder.

$$\frac{5x - 1}{x - 2}$$