## Exercise 19

**In Exercises 19–28, find any intercepts.**

$$y = 2x - 5$$

**Solution**

To find the $y$-intercept, plug in $x = 0$ to the function.

$$y = 2(0) - 5 = -5$$

Therefore, the $y$-intercept is $(0, -5)$. To find the $x$-intercept(s), set $y = 0$ and solve the equation for $x$.

$$2x - 5 = 0$$

$$2x = 5$$

$$x = \frac{5}{2}$$

Therefore, the $x$-intercept is $\left(\frac{5}{2}, 0\right)$.