

Let $f(x) = -\frac{5}{4}x + 15$ for $x \geq -8$.

(a) Solve for the x intercept.

(b) Evaluate $f(10)$.

(c) Graph the function. Label the axes and both intercepts, and plot the point determined in Part (b). Also state the domain and range.

(d) Solve for the values of x that make y at least -35 .