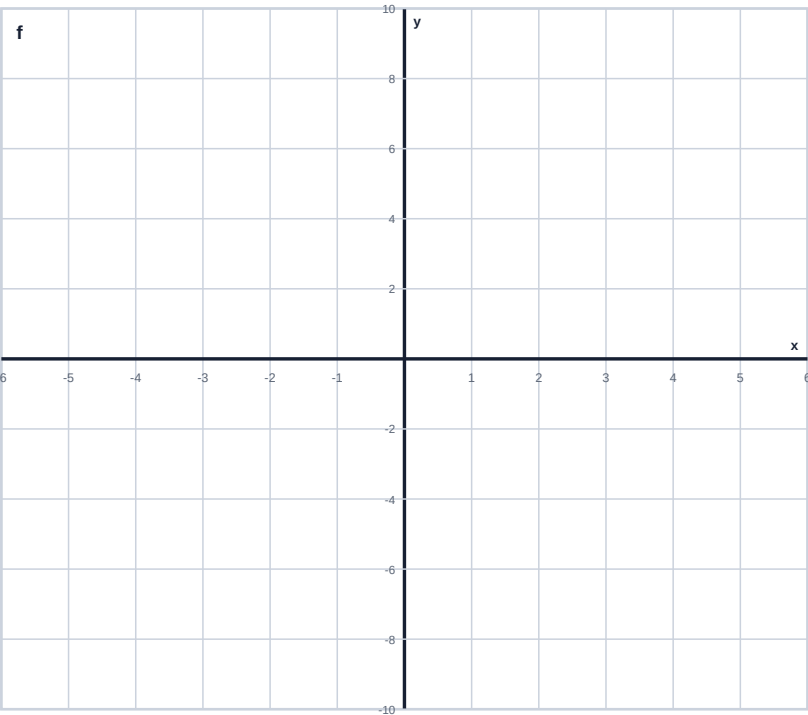


Horizontal Tangents on Graphs

Find every horizontal tangent point in the displayed interval.

1. $f(x) = -x - 4/x$

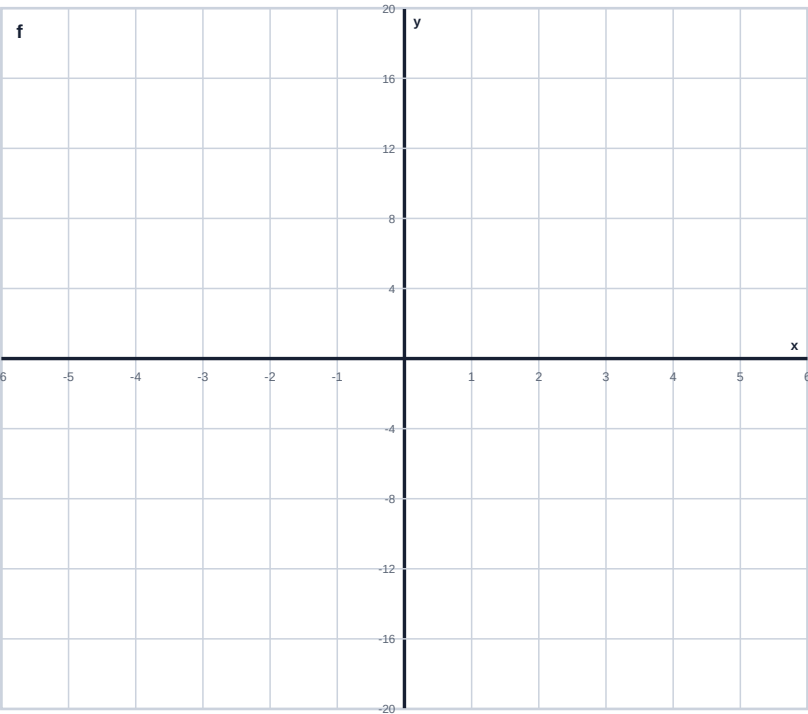
All real x except $x = 0$



Plot the equation first, then identify every horizontal tangent.

2. $f(x) = 2(x + 1)^2 - 18$

All real x .



Plot the equation first, then identify every horizontal tangent.

Horizontal Tangents on Graphs

Find every horizontal tangent point in the displayed interval.

3. $f(x) = 3\sin(x) + 2$

Displayed interval $[-\pi, \pi]$.



Plot the equation first, then identify every horizontal tangent.

4. $f(x) = -2\cos(2(x)) - 1$

Displayed interval $[-\pi, \pi]$.



Plot the equation first, then identify every horizontal tangent.