**9.6**

Graph $f(x) = 2^{x}$ and $g\left(x\right)=-x^{3}+6x^{2}-9x+4$ in order to determine accurate to 1 decimal place when $2^{x}=-x^{3}+6x^{2}-9x+4$

*Your graph will give you an approximate intersection point of the two functions. Then use your calculator to find the exact answer rounded to 1 decimal point.*



Graph $f(x) = log(x+5) + 2 $ and $g\left(x\right)= \sqrt{–(x-4)}$ in order to determine when $f(x) = g(x)$

