For the following

$f(x) = \frac{1}{2}x^2 + 4x - 10$

Determine:

→ the y-intcpt (0, _)

→ the vertex (_, _)

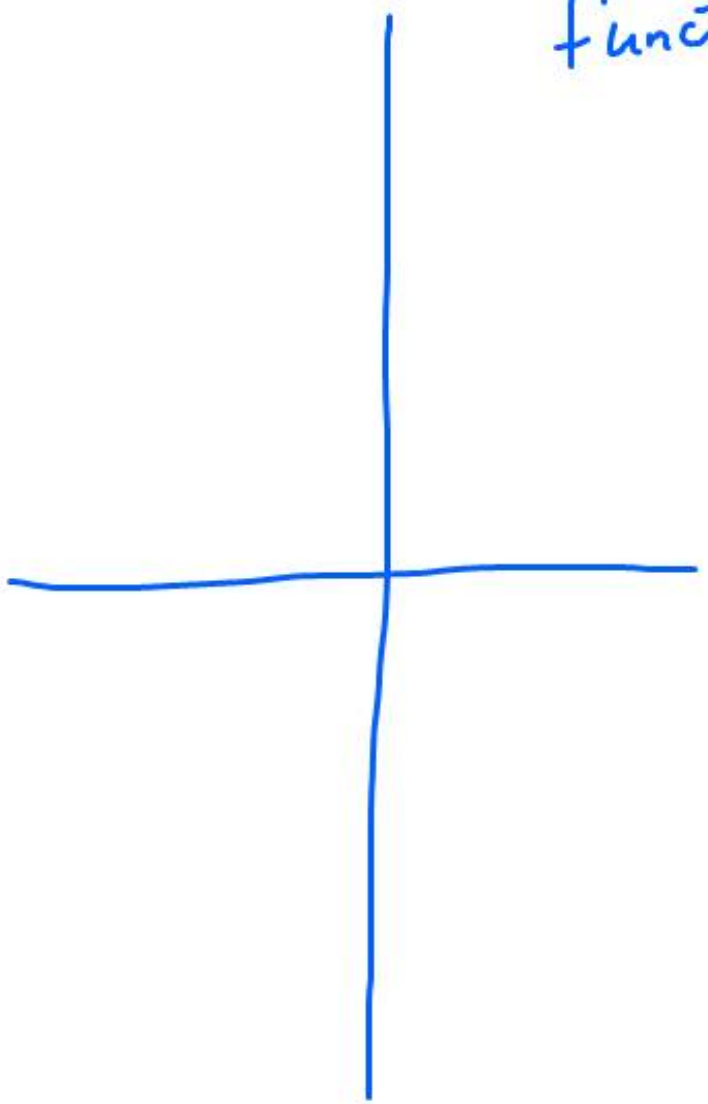
→ the line of symmetry $x =$ ____

→ the "zeros" (_, 0) & (_, 0)

→ Determine f at $x = 2$

→ Solve for x if the function @ $x = 5$

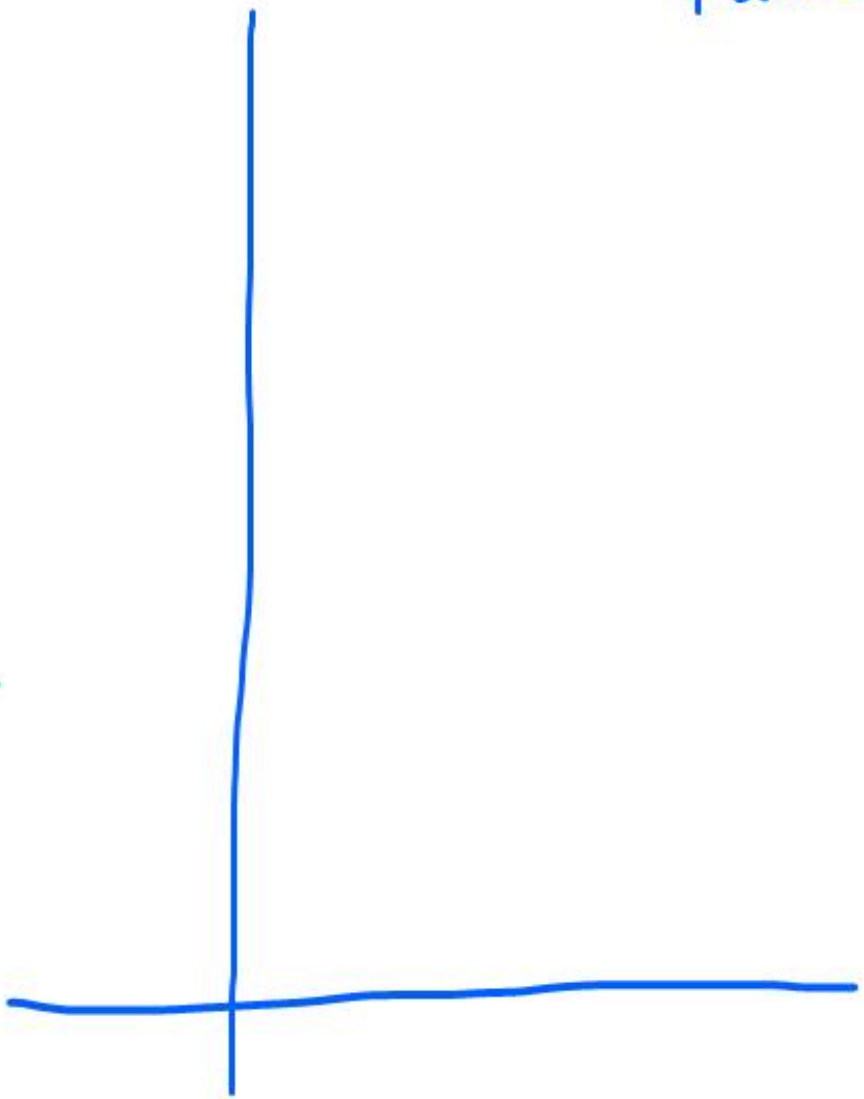
Sketch the function



For the following

$f(x) = 100 \cdot (1.5)^x$

Sketch the function



Determine:

→ the y-intcpt (0, _)

~~the vertex (_, _)~~

~~the line of symmetry x = _~~

~~the "zeros" (_, 0) & (_, 0)~~

→ Determine f(3) "f at 3"

→ Solve for x if the function @ x = 5