

1) Find the domain of:

$$g(x) = \sqrt{10 - x}$$

2) Graph a function that has all of these properties:

* Domain is $[-5, 5]$

* Negative on $(-5, -1)$

* Positive on $(-1, 5)$

* Increasing on $(-4, 1)$ and $(3, 5)$

* Decreasing on $(-5, -4)$ and $(1, 3)$

1) $x \leq 10$

2)

