Simulation
$$\sqrt{(6 \text{ bif signed number})}$$

Exercise 1:
1. typical inputs, 16 64
2. minimum and maximum valid inputs,
 $0, \frac{65536}{32767}$ (onsigned)
3. invalid inputs, and
 $-1, -79$

4. randomly-chosen values. (6,
$$3$$

Give examples of appropriate test inputs for each of the above categories if you were testing a circuit that computed the square root of a 16-bit signed number.

Exercise 2: What's the difference between $\frac{wait(x)}{n}$ y='1; and @(x) y='1;? (x + 1) = non - 2ere (true) (x + 1) = non - 2ere (true)

Exercise 3: How could you:

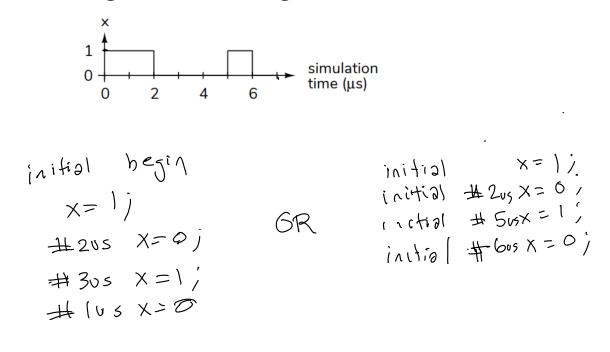
(a) terminate the simulation if a test vector failed?

(b) change the clock frequency to 10 MHz?

to # 50ms

(d) assert the reset input for two clock cycles?

Exercise 4: What statements could you use in an initial block to create the following waveform on the signal x?



end