Students are given multiple 555 timer circuits, a specified pulse width, shown test points, and asked to measure the pulse width in the circuit using an oscilloscope. Students are allowed to adjust the oscilloscope knobs as they see fit.

1. **Using circuit 1**

* 40% - Demonstrate ability to power up the oscilloscope, and connect probes to the indicated test points, properly.
* 40% - Make proper settings and connect probe to the circuit at indicated test points and correctly measure the pulse width
* 20% - Compare pulse width on oscilloscope screen with required pulse to confirm if it is in spec

1. **Using circuit 2**

* 40% - Demonstrate ability to power up the oscilloscope, and connect probes to the indicated test points, properly.
* 40% - Make proper settings and connect probe to the circuit at indicated test points and correctly measure the pulse width
* 20% - Compare pulse width on oscilloscope screen with required pulse to confirm if it is in spec

1. **Using circuit 3**

* 40% - Demonstrate ability to power up the oscilloscope, and connect probes to the indicated test points, properly.
* 40% - Make proper settings and connect probe to the circuit at indicated test points and correctly measure the pulse width
* 20% - Compare pulse width on oscilloscope screen with required pulse to confirm if it is in spec