

**Name** \_\_\_\_\_

**Pro Tools Project #8**

**Due by** \_\_\_\_\_

Need help, review? **COS Videos for Class** folder > "**JoePT Intro to MIDI**"  
And/or "**Pro Tools 11 - #26 - Intro to MIDI, Recording MIDI, Instrument Tracks, Quantizing**"

**Steps to record MIDI**

1. Audio Interface connected (lights on)
2. Midi Keyboard On, or USB Keyboard plugged in
3. Create a new blank session/ Name it "your name project 8 042020"> Save it in your student folder.
4. Confirm Pro Tools is in **Grid mode**
5. Remember- along with the regular "smart tool", the pencil tool is also a "smart tool" for MIDI
6. Add **3 Stereo Instrument** Tracks
7. Name track 1 = "**piano**", track 2 = "**organ**", and track 3 = "**pencil**"

**Part 1- If you **DO NOT** have a MIDI Keyboard**

1. Download the file named "**MIDI Piano 01**" from the website or google drive.
2. Drag it onto Track 1. When you drop it, it will have some options. Make sure to check all the import boxes at the bottom (import tempo map, etc.).
3. On track 1, **insert > Multichannel Plug In > Instrument > Mini Grand**. Click on "**factory default**" and choose a piano.
4. Play/listen to the track.
5. Double click the clip and adjust any timing errors or select notes and quantize to "eighth note" plus "triplets."

**Part 1- If you have a MIDI Keyboard**

6. On track 1, **insert > Multichannel Plug In > Instrument > Mini Grand**. Click on "**factory default**" and choose a piano.
7. **Before you can "hear" the sound**, you have to "**arm**" the track.
8. Record midi with the piano sound
  - a. You should have already armed the track
  - b. Arm the program (or use keyboard shortcut "**3**" on the NUM PAD)
  - c. Hit space bar to start and stop
9. Play it back, and edit it to correct for errors. When satisfied, **un-arm** track, go back to **clips view**, and pan both knobs to the left.

**Part 2**

10. Select the grabber or smart tool, and click/copy the MIDI clip from track 1 and paste it onto track 2.
11. On track 2, **insert > Multichannel Plug In > Instrument > DB-33**. Click on "factory default" and choose an organ.
12. Pan both knobs to the right so you can hear track one and two together.
13. Play it back to hear the same part played by a different instrument. When satisfied, mute track 1 & 2.

**Part 3**

14. On track 3, **insert > Multichannel Plug In > Instrument >** your choice (i.e. **Xpand2**).
15. This time go into "**Notes**" view, make track bigger and/or zoom MIDI notes as needed
16. Select the **pencil tool**, and click to create notes on the track. You can change the "default note duration", and/or "trim" notes out to be longer/shorter.
17. If you can't hear the notes, click on the **MIDI/speaker icon** in the transport bar/window to toggle on/off.
18. Play it back, and edit it to correct for errors. When satisfied, mute track 3.

**Part 4**

19. **BONUS/ Just for fun** = Create a simple multi-track song or beat.

**Troubleshooting**

1. Keyboard doesn't play the sound?
  - a. Is MIDI or USB cable connected?
  - b. Connected to the correct ports? ("OUT" of keyboard, "IN" to computer)
2. Can't hear the sound? (Do you see the green meters moving up and down?)
  - a. Did you arm the track?
  - b. "Playback engine" correct?
  - c. Headphone volume up?
  - d. Need to adjust the "mix" knob?