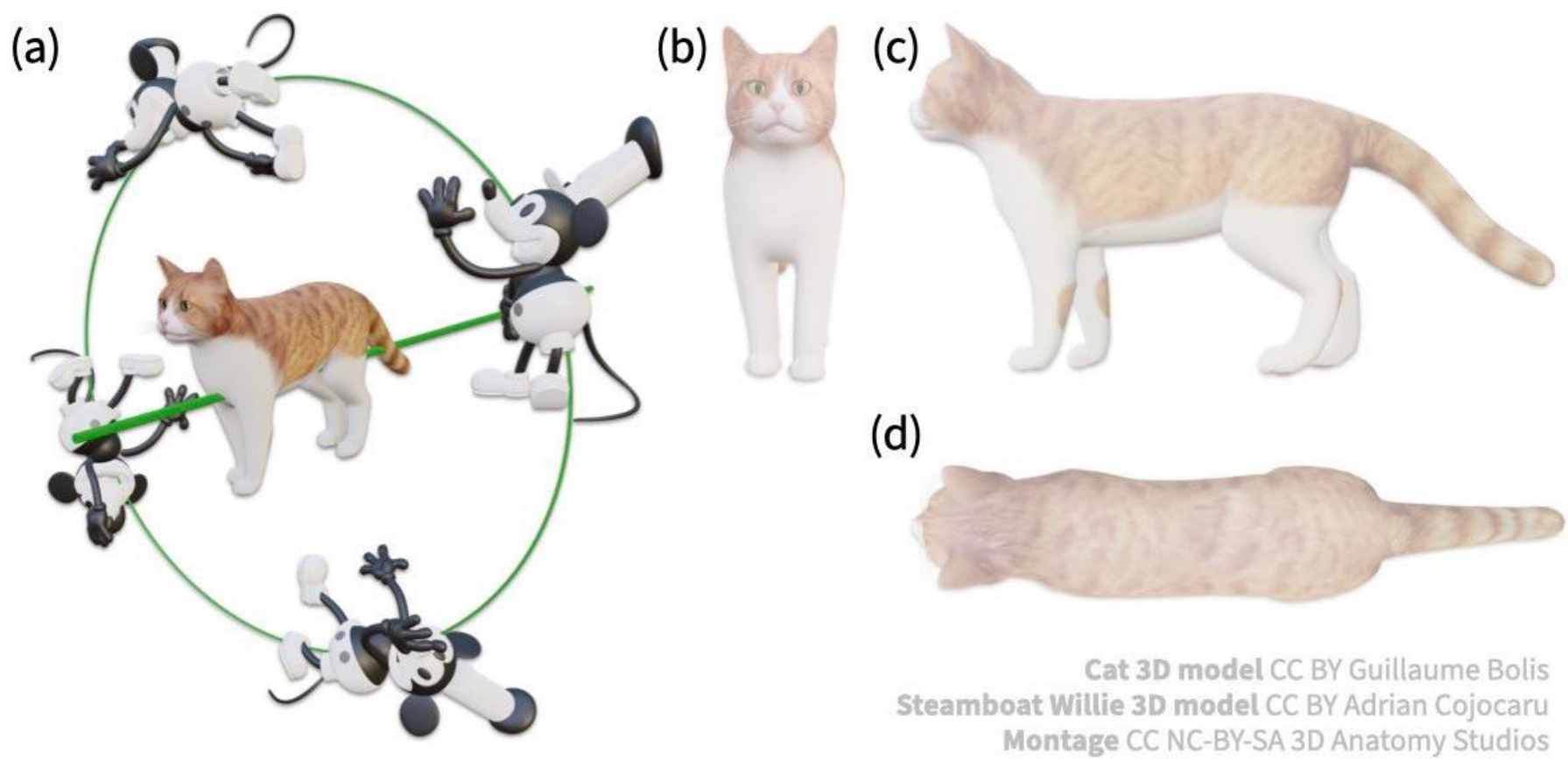
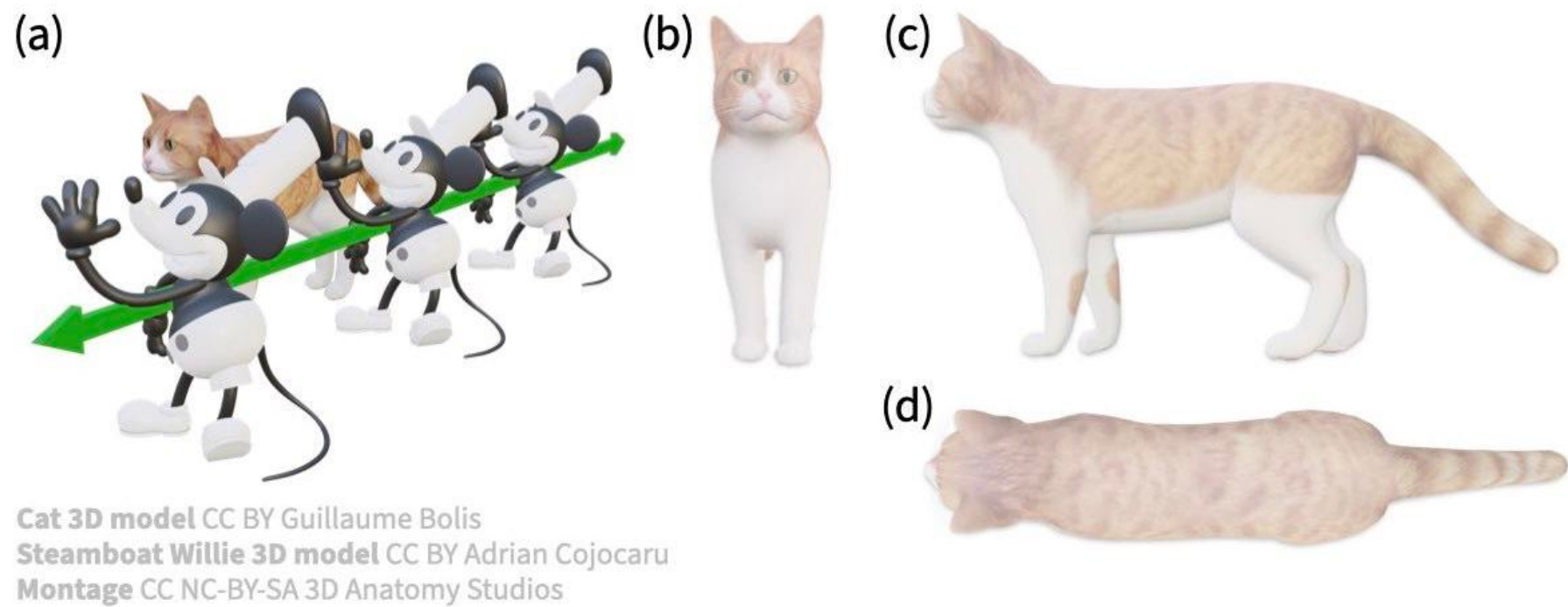


Practice drawing motion axes

Draw the axis of rotation depicted in 3D in (a) as a 2D projection onto the images in (b-d), as explained in [the activity guide](#). Use the symbols in the legend at the bottom of the page.





Draw the axis of translation depicted in 3D in (a) as a 2D projection onto the images in (b-d), as explained in the activity guide. Use the symbols in the legend at the bottom of the page.





Using your own knee as a reference, how many motion axes do you think your knee has? _____













Symbol
legend


Rotation axis



Rotation axis
into/out of page


Translation axis



Translation axis
into/out of page

Motion axes of the knee			
Motion name	Lateral view	Anterior view	Superior view (femur removed)
Flexion-extension rotation	 <div><div>S</div><div>P↔A</div><div>I</div></div>	 <div><div>S</div><div>L↔M</div><div>I</div></div>	 <div><div>P</div><div>L↔M</div><div>A</div></div>
Longitudinal rotation	 <div><div>S</div><div>P↔A</div><div>I</div></div>	 <div><div>S</div><div>L↔M</div><div>I</div></div>	 <div><div>P</div><div>L↔M</div><div>A</div></div>
Varus-valgus rotation	 <div><div>S</div><div>P↔A</div><div>I</div></div>	 <div><div>S</div><div>L↔M</div><div>I</div></div>	 <div><div>P</div><div>L↔M</div><div>A</div></div>
Anterior-posterior translation	 <div><div>S</div><div>P↔A</div><div>I</div></div>	 <div><div>S</div><div>L↔M</div><div>I</div></div>	 <div><div>P</div><div>L↔M</div><div>A</div></div>


Symbol legend




Rotation axis



Rotation axis into/out of page



Translation axis



Translation axis into/out of page

A: Anterior
P: Posterior
S: Superior

I: Inferior
M: Medial
L: Lateral

You can find the guide for this activity at 3das.us/guides/HSKN2

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