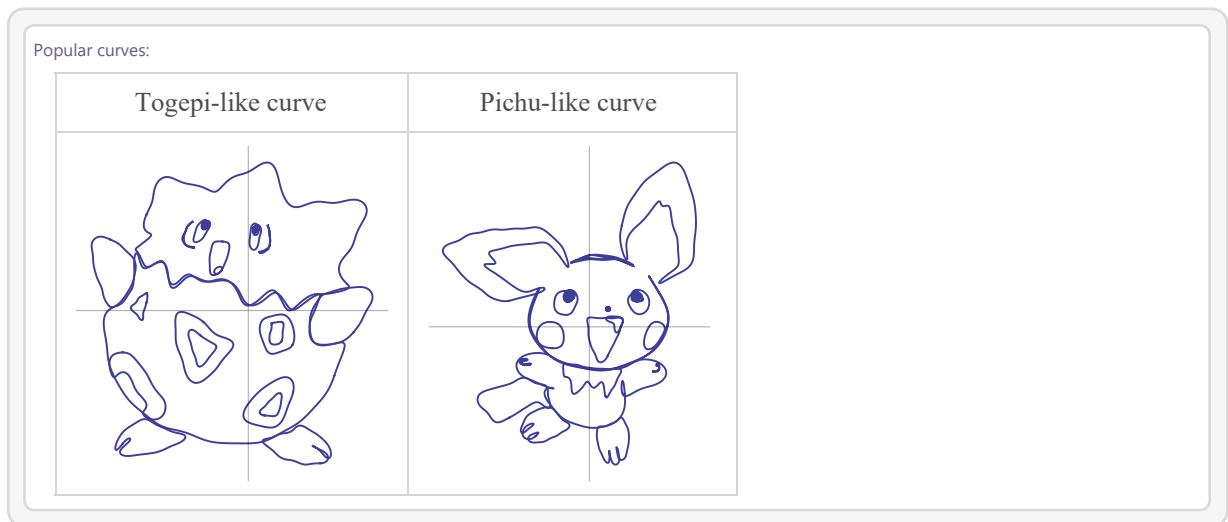


Pokémath: Homework 7



Pokémon® Problems

Cuteness Battle Incoming! Pichu and Togepi are set to battle. For now, let's **consider only fast moves**.

1) Let's recall how to compute stats for Pichu

a) List Pichu's base stats. Remember to look for the Pokémon® GO versions of the base stats!

b) List Pichu's IVs (images attached).

c) Write Pichu's level. You can find it using the CP in the attached image and your stat calculator. (Remember, your calculator will give you the possible stats at every level. Match the CP in the image with the calculator to find the row with the correct stats.)

d) List Pichu's true stats, with your calculations.

2) Now let's do it for for Togepi

a) List Togepi's base stats.

b) List Togepi's IVs.

c) Give Togepi's level.

d) List Togepi's true stats, with your calculations.

3) The fast move for Pichu is Thunder Shock.

a) Give the **Trainer Battle** power for Thunder Shock.

b) Pichu attacks Togepi with Thunder Shock. Calculate the multiplier that will appear in the damage formula. *We are still considering a Trainer Battle.*

c) Compute the damage Pichu will do to Togepi with Thunder Shock.

d) How many times would Pichu have to use the move Thunder Shock to knock out Togepi? (Reduce Togepi's true HP to 0)

4) The fast move for Togepi is Peck.

a) Give the **Trainer Battle** power for Peck.

b) Togepi attacks Pichu with Peck. Calculate the multiplier that will appear in the damage formula. We are still considering a Trainer Battle.

c) Compute the damage Togepi will do to Pichu with Peck.

d) How many times would you have to use the move Peck to knock out Pichu? (Reduce Pichu's true HP to 0)

5) Which Pokémon® will knock the other out first?

