Day 3: Drawing Lines in All Directions

Date: _____

Today's Mission 🚀

Make lines going in all different directions from the center!

New Command:

- HOME - Brings turtle back to center facing up

Let's Start!

Step 1: Four Direction Challenge

- ☐ Type CS to clear screen
- ☐ Draw UP: FD 50
- ☐ Type HOME to return to center
- ☐ Draw RIGHT: RT 90 then FD 50
- ☐ Type HOME again
- ☐ Draw DOWN: RT 180 then FD 50
- ☐ Type HOME again
- ☐ Draw LEFT: LT 90 then FD 50

Step 2: Star Pattern

- ☐ Type CS to start fresh
- ☐ Try this pattern:
    - FD 80
    - HOME
    - RT 45
    - FD 80
    - HOME
    - RT 90
    - FD 80
    - HOME

Challenge Time! ☆

Easy:

- Make longer lines: use FD 100 instead of FD 50
- Try diagonal lines: RT 45, FD 70, HOME

Hard:

- Can you make exactly 6 lines equally spaced?
- Create your own "fireworks" pattern!

Think About It 🤔

1. Why do we use HOME between each line?
2. What happens if you don't use HOME?
3. What patterns in nature look like this?

My Work Today:

What I learned: _____

My coolest pattern: _____

Something that surprised me: _____

Rating: ☆☆☆☆☆ (circle the stars!)

Completed: ☐ **Date:** _____

🖐 Share Your Work!

Send your code to Dad: Copy all the commands you used today and send them in a message! Example:

```
CS
FD 50
HOME
RT 90
FD 50
HOME
```

My commands: