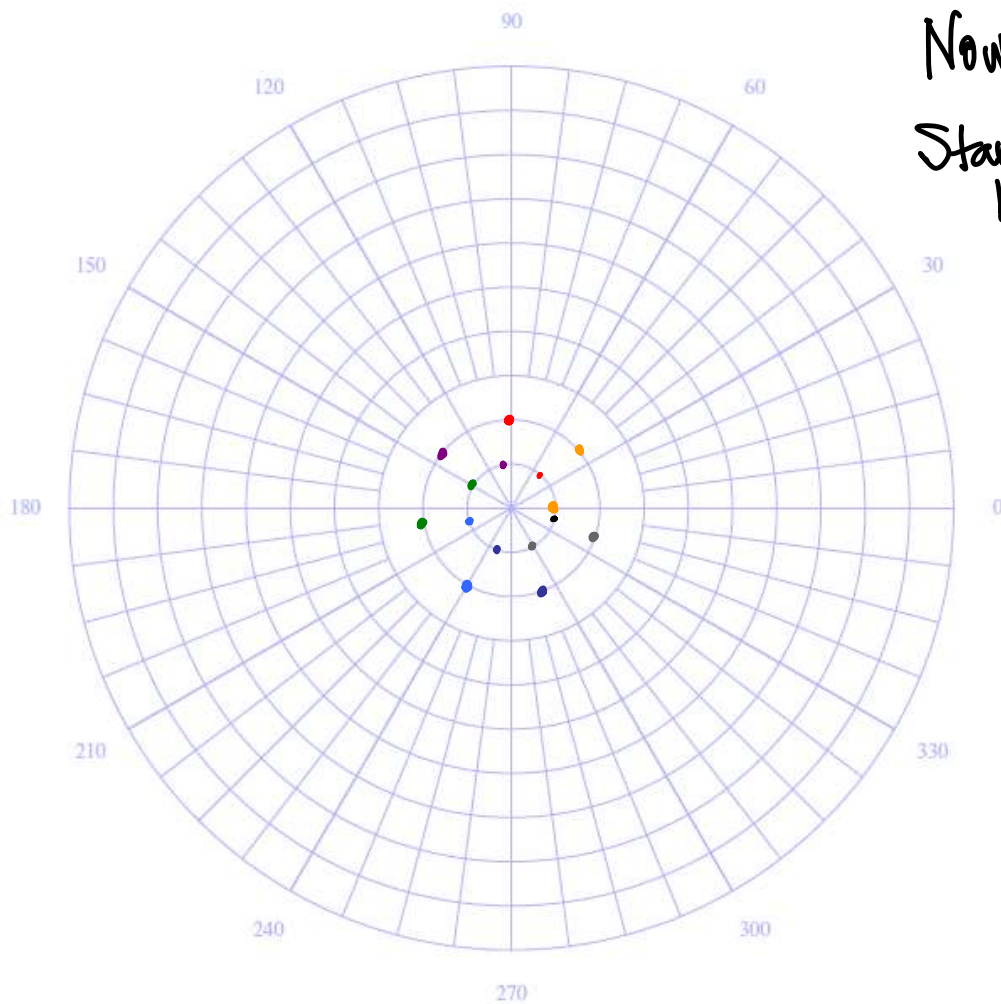


Note: any two marks are 7.5° apart

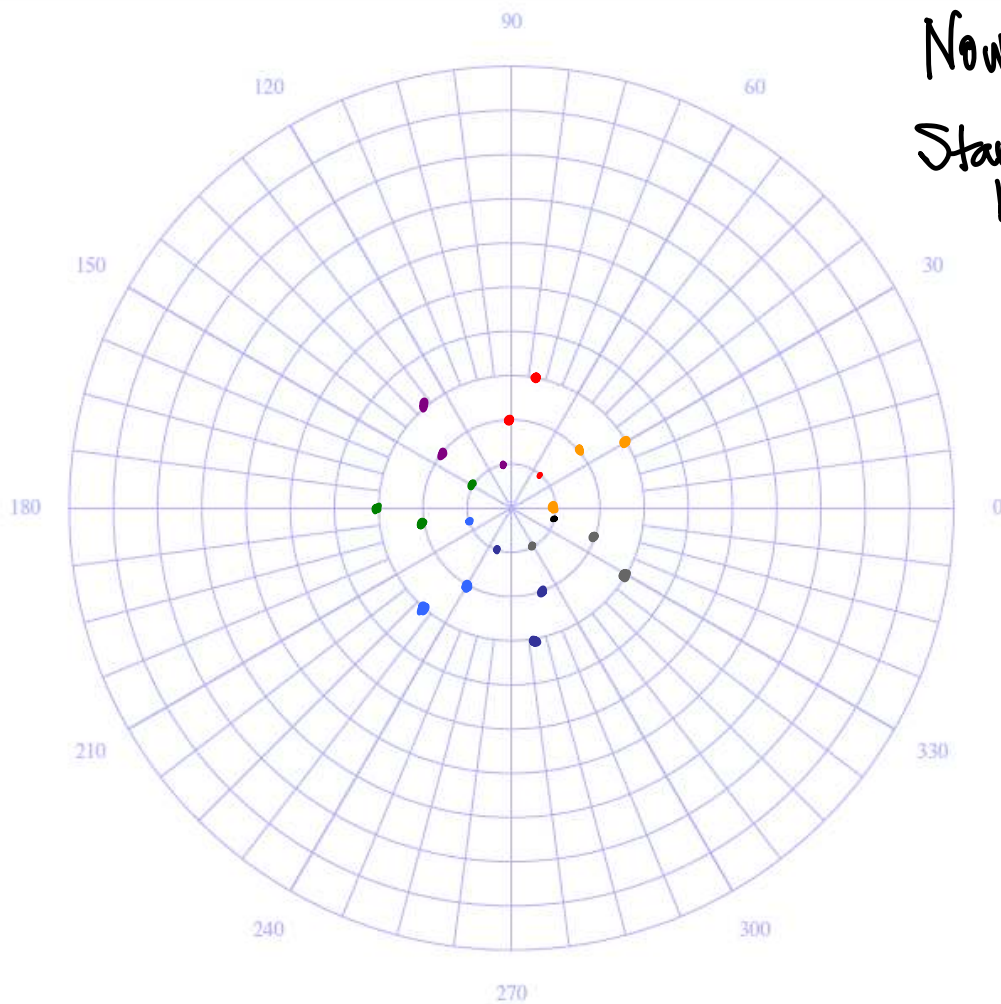
- 1st dot: 0° one unit from center
 2nd: $0^\circ + 50^\circ = 50^\circ$ one unit from center
 3rd: $50^\circ + 50^\circ = 100^\circ$ one unit from center
 4th: $100^\circ + 50^\circ = 150^\circ$ one unit from center
 5th: $150^\circ + 50^\circ = 200^\circ$ one unit from center
 6th: $200^\circ + 50^\circ = 250^\circ$ one unit from center
 7th: $250^\circ + 50^\circ = 300^\circ$ one unit from center
 8th: $300^\circ + 50^\circ = 350^\circ$ one unit from center



Now start making dots two units away

Start at $350^\circ + 50^\circ = 400^\circ$
 but note that since $400^\circ = 360^\circ + 40^\circ$
 this is really 40°

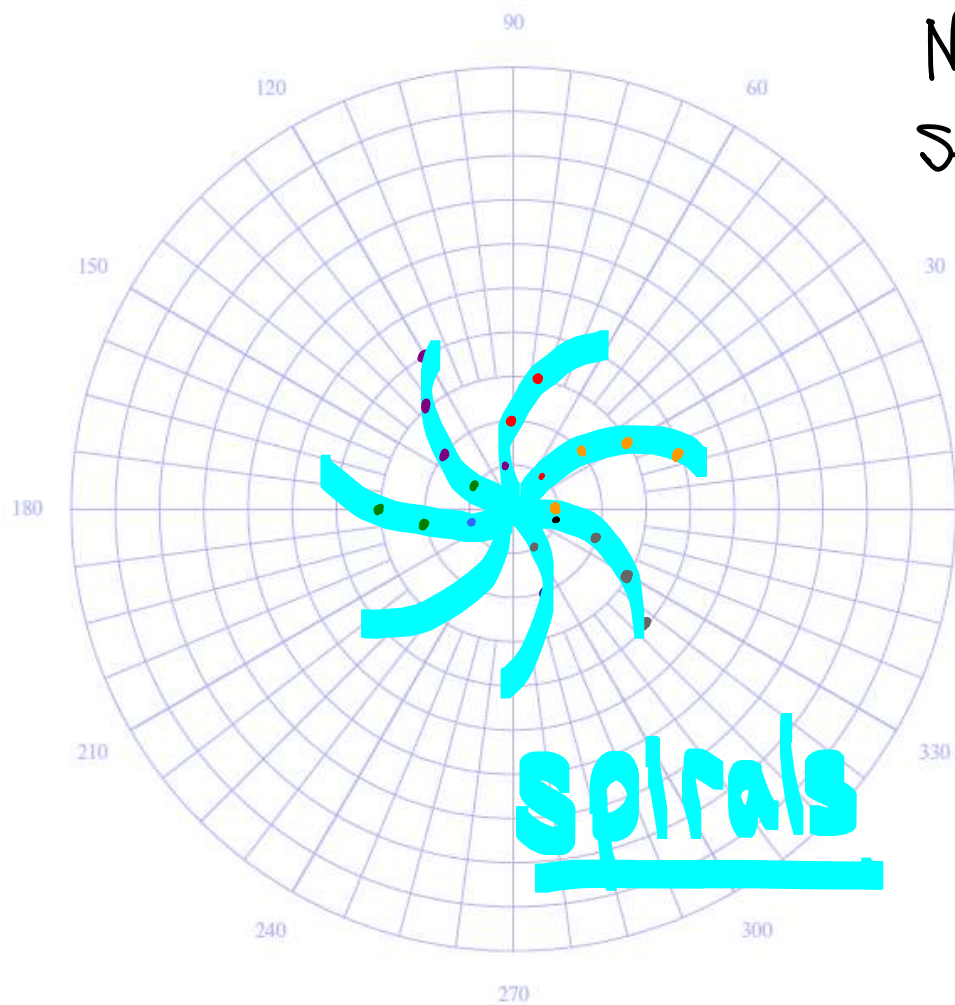
- First dot: 40° one unit from center
 2nd: $40^\circ + 50^\circ = 90^\circ$ one unit from center
 3rd: $90^\circ + 50^\circ = 140^\circ$ one unit from center
 4th: $140^\circ + 50^\circ = 190^\circ$ one unit from center
 5th: $190^\circ + 50^\circ = 240^\circ$ one unit from center
 6th: $240^\circ + 50^\circ = 290^\circ$ one unit from center
 7th: $290^\circ + 50^\circ = 340^\circ$ one unit from center



Now start making dots three units away

Start at $340^\circ + 50^\circ = 390^\circ$
 but note that since $390^\circ = 360^\circ + 30^\circ$
 this is really 30°

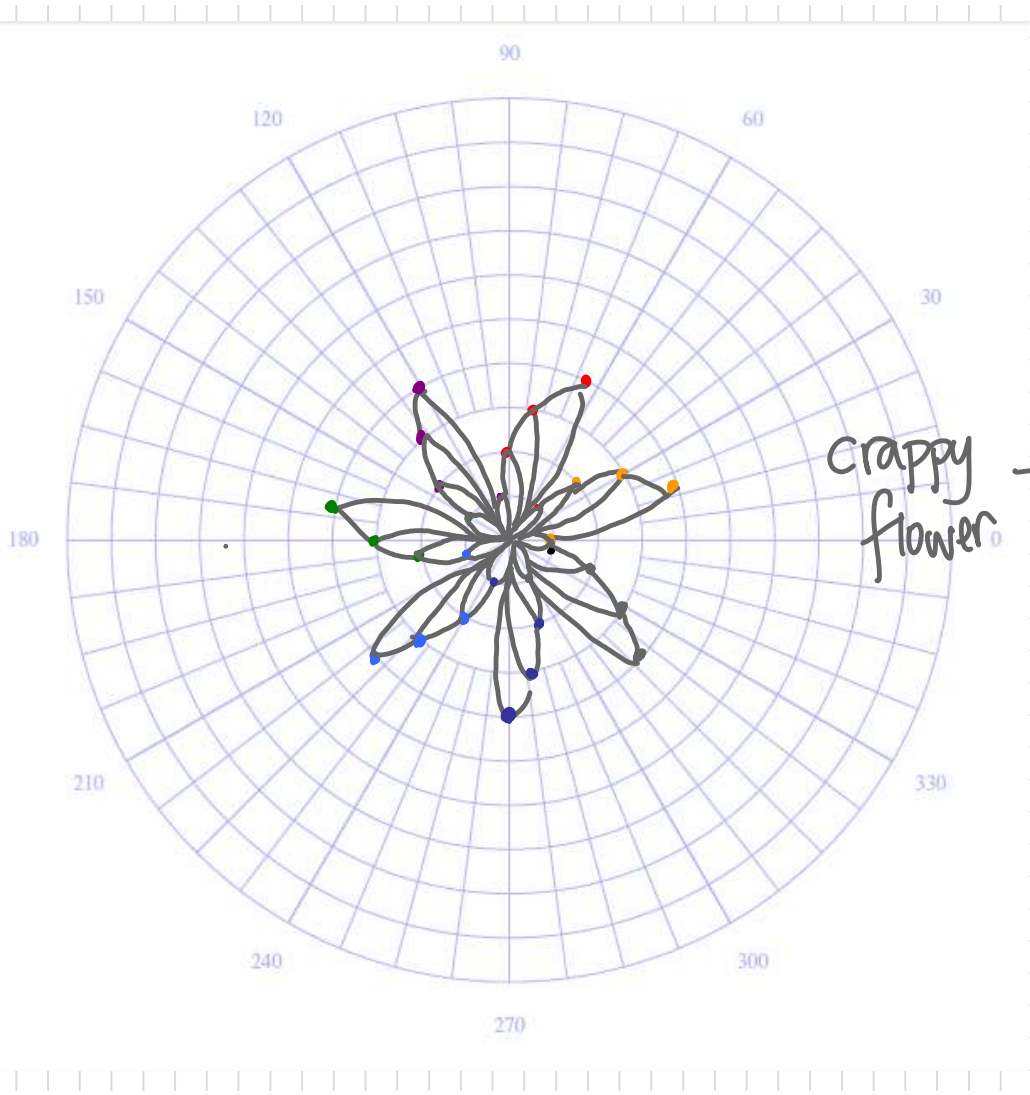
- First dot: 30° one unit from center
- 2nd: $30^\circ + 50^\circ = 80^\circ$ one unit from center
- 3rd: $80^\circ + 50^\circ = 130^\circ$ one unit from center
- 4th: $130^\circ + 50^\circ = 180^\circ$ one unit from center
- 5th: $180^\circ + 50^\circ = 230^\circ$ one unit from center
- 6th: $230^\circ + 50^\circ = 280^\circ$ one unit from center
- 7th: $280^\circ + 50^\circ = 330^\circ$ one unit from center



Now start making dots four units away

Start at $330^\circ + 50^\circ = 380^\circ$
 but note that since $380^\circ = 360^\circ + 20^\circ$
 this is really 20°

- First dot: 20° one unit from center
 2nd: $20^\circ + 50^\circ = 70^\circ$ one unit from center
 3rd: $70^\circ + 50^\circ = 120^\circ$ one unit from center
 4th: $120^\circ + 50^\circ = 170^\circ$ one unit from center
 5th: $170^\circ + 50^\circ = 220^\circ$ one unit from center
 6th: $220^\circ + 50^\circ = 270^\circ$ one unit from center
 7th: $270^\circ + 50^\circ = 320^\circ$ one unit from center
 and so on (iterated)



→ other angles produce less overlap of petals!