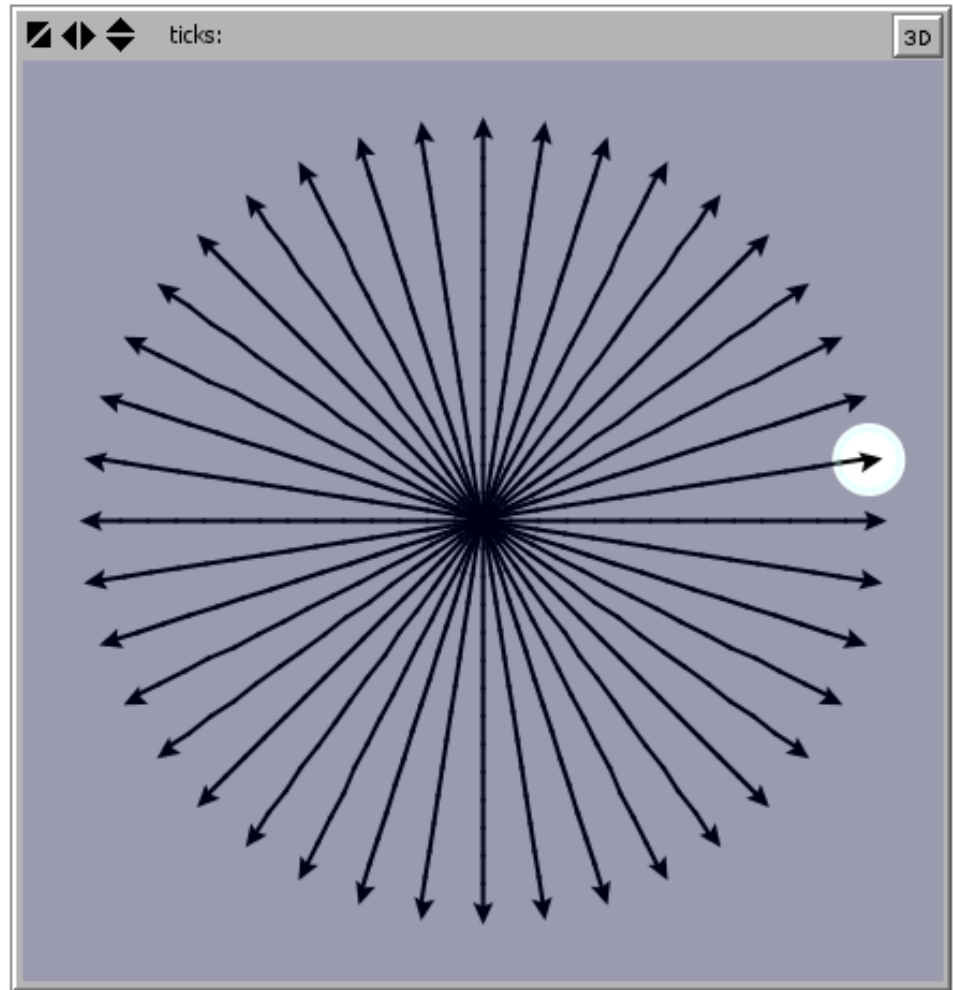
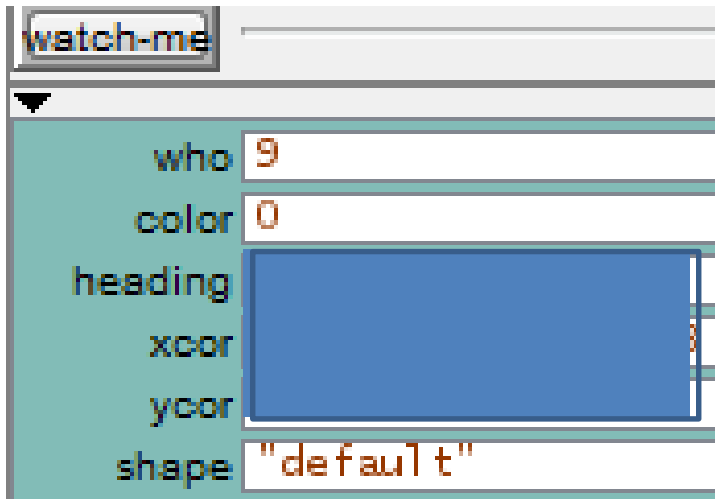


tryEm

howMany 40



```
File Edit Tools Zoom Tabs Help
Interface Info Code
Find... Check Procedures Indent automatically
TO tryEm
  ca
  ask patches [ set pcolor white ]
  cro howMany ;; howMany slider is at 40
  ask turtles
  [
    pd
    set pen-size 2
    set color black
    fd 14
  ]
END
```



The highlighted turtle is the turtle with who #9.

We need to find its exact and its specific location.

In questions #2 and #3, you will find its (xcor, ycor) location in the 2D turtle world, which is the coordinates of the point where it is located on the NetLogo grid.

VIP: You need to clearly show the steps and

process of arriving at your answers too! You may use the Windows calculator, but SHOW all your steps of the algebra too. VIP, VIP, VIP!

See the code and screen snapshot on the separate page.

Name _____

Due on Monday , February 27, 2017

1. What is the **heading** for the turtle with WHO number 9 (it is the highlighted turtle)? Show how you calculated or arrived at the answer. Do NOT just show the final answer.
2. What is the **xcor** for the turtle with who number 9? **You must show ALL your work** and process of getting to the answer! Show numerators and denominators. Use SINE or COSINE.
3. What is the **ycor** for the turtle with who number 9? **Show your work and clearly illustrate** the steps in how you got the answer. Use SINE or COSINE.
4. Solve the problem again using only the TANGENT trigonometry function and Pythagorean Theorem. Again show every step of your work in your answer. **SHOW ALL YOUR WORK!**