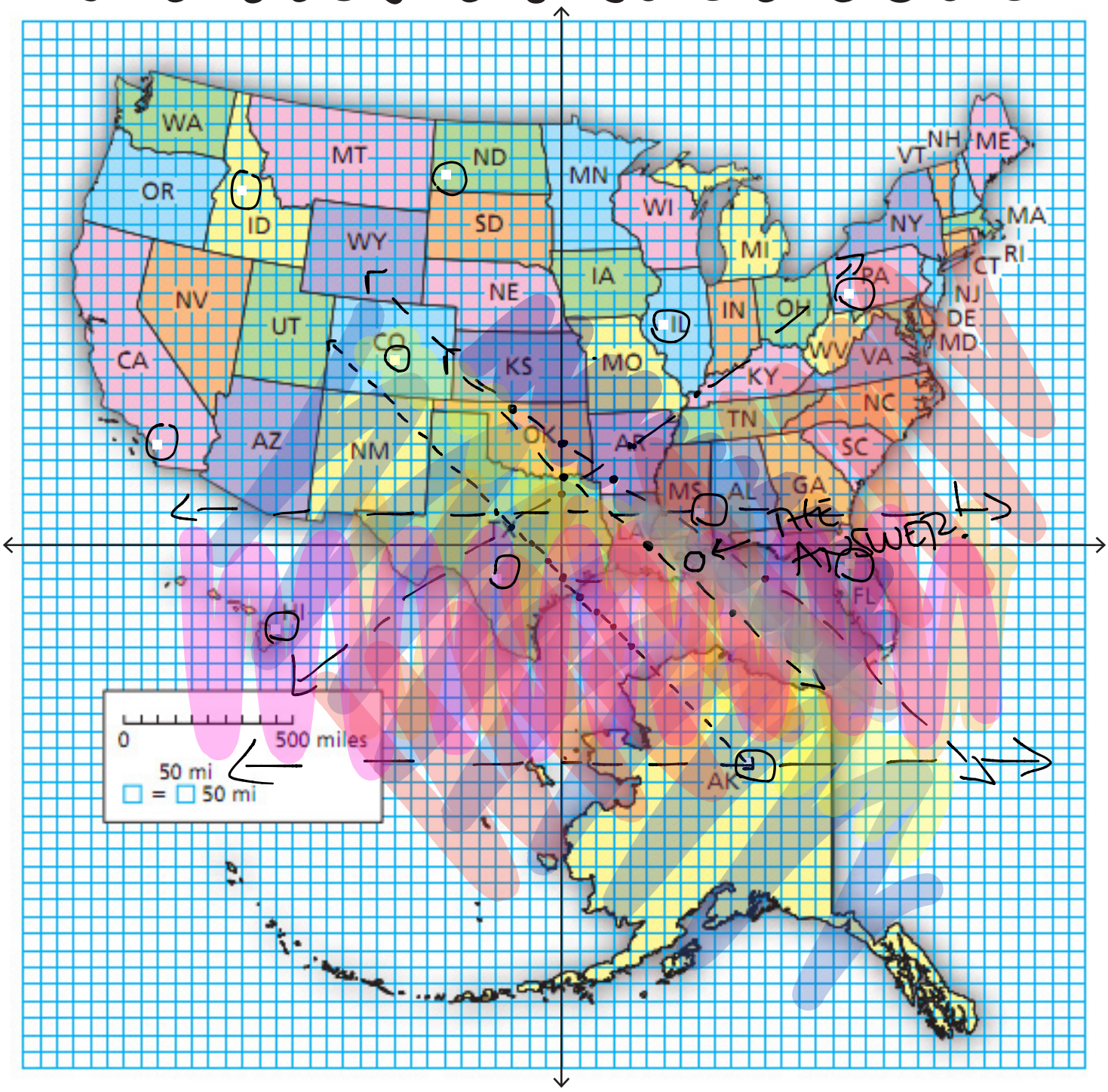
Treasure Hunter's Names: _____

National Treasure



There is treasure hidden in one of the locations across the US. In order to find the location, you will have to identify the coordinate points:

1. (8,1) 2. _____ 3. _____ 4. _____ 5. _____ 6. _____ 7. _____ 8. _____ 9. _____ 10. _____
11. _____ 12. _____

The solution to the linear inequality system will send you right to the location of the treasure! The treasure will be located at the point that satifies the system. First one to find it, wins a prize! :)

① $y < -\frac{2}{3}x + 6$

② $y > -x - 2$

$4y < 3x + 12 \Rightarrow$ ③ $y < \frac{3}{4}x + 3$

④ $y > \frac{-4}{5}x + 4$

$2x+3y<18$, $-4x-4y<8$, $-3x+4y<12$, $y>-13$, $y<2$ and $4x-5y<20$

$-2x \quad -2x \quad +4x \quad +4x$

$\frac{3y}{3} < \frac{-2x+18}{3}$ $\quad -4y < 4x+8$

$-4x \quad -4x \Rightarrow \frac{-5y}{-5} < \frac{-4x+20}{-5}$

$\frac{\quad}{-4}$