Round #1

Round 1 Person #4

Let the answer given to you be denoted as **K**.

Find the distance between the points:

$\left(-\frac{K}{2}-10i\right)$ and $(7+3i)$.

Pass your answer to the proctor. ☺

Round 1 Person #3

Let the answer given to you be denoted as **K**.

Evaluate $\left(\sqrt{3}K+1\right)^{3}$.

Then, write your answer on a scrap square and pass it to the next person. ☺

Round 1 Person #2

Let the answer given to you be denoted as **K**.

Compute $i^{(K^{2})}$.

Then, write your answer on a scrap square and pass it to the next person. ☺

Round 1 Person #1



Then, write your answer on a scrap square and pass it to the next person. ☺

Round 2 Person #4

Let the answer given to you be denoted as **K**.

Simplify: $\frac{1+i}{K}$

Pass your answer to the proctor. ☺

Round 2 Person #3

Let the answer given to you be denoted as **K**.

**K** should be in the form $i\sqrt{b}$. Take the given value of $b$and compute:

$$\frac{\left(\frac{b}{2}\right)(1+i)}{3-4i}+\frac{2b}{4+3i}$$

Then, write your answer on a scrap square and pass it to the next person. ☺

Round 2 Person #2

Let the answer given to you be denoted as **K**.

Simplify: $\frac{-5\sqrt{18}}{\sqrt{45K}}$

Your answer should be in the form $ai\sqrt{b}$, where $a$ and $b$are integers. (Specifically, $b$must be a positive integer).

Then, write your answer on a scrap square and pass it to the next person. ☺

Round 2 Person #1

Find $i^{-18}+i^{-9}+i^{0}+i^{9}+i^{18}$.

Then, write your answer on a scrap square and pass it to the next person. ☺

Round #2