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Convex Hull Questions

Multiple choice:

1. What are the names of the three algorithms we covered used to create a Convex Hull?
   a. March Madness, Graham Cracker, Quickwhole
   b. Java School, Graham Town, QuickStop
   c. Jarvis March, Graham Scan, Quickhull
   d. Javier Marc, Graham Scanner, QuickHole

2. Which algorithm is the best option when given a large set of points?
   a. Quickhull
   b. Jarvis March
   c. Graham Scan
   d. All of the above

3. What mathematical operation can we use to determine if a turn is clockwise or counter-clockwise?
   a. Cross Product
   b. Matrix Multiplication
   c. Dot Product
   d. Addition/Subtraction

Fill in the blank Questions:

1. The time complexity (worst case scenario) for Quickhull is _____ and for the average case, it is _____.

2. The time complexity for _____ takes into account the number of vertices and size of the hull.