PORTRAITS LIKE PATE:
ART AND GEOMETRY

DAI | DAYTON ART INSTITUTE

CURRICULAR CONNECTIONS
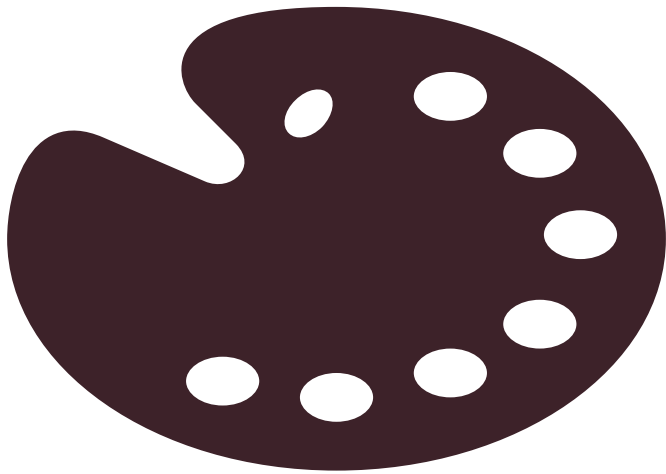
Ohio's Learning Standards

- **Visual Arts:**

VA.4.1.CO- Explore artists and works of art that impact the history and culture of Ohio.

VA.4.3CO- Demonstrate empathetic reactions in response to works of art.

- **Mathematics:**

4.G.1- Draw points, lines, line segments, rays, angles (right, acute, and obtuse), and perpendicular and parallel lines. Identify these in two dimensional figures.

4.G.2- Classify two-dimensional figures based on the presences or absences of parallel or perpendicular lines or the presences or absences of angles of a specified size.

STUDENT LEARNING GOALS

1) Students will be able to identify and describe shapes, lines and angles found in James Pate's artwork.

2) Students will be able to understand and discuss how art is a way to share their emotions and thoughts.

3) Students will be able to apply the math ideas (i.e. shapes, angles, lines) to create artwork revealing an underlying message or emotion.
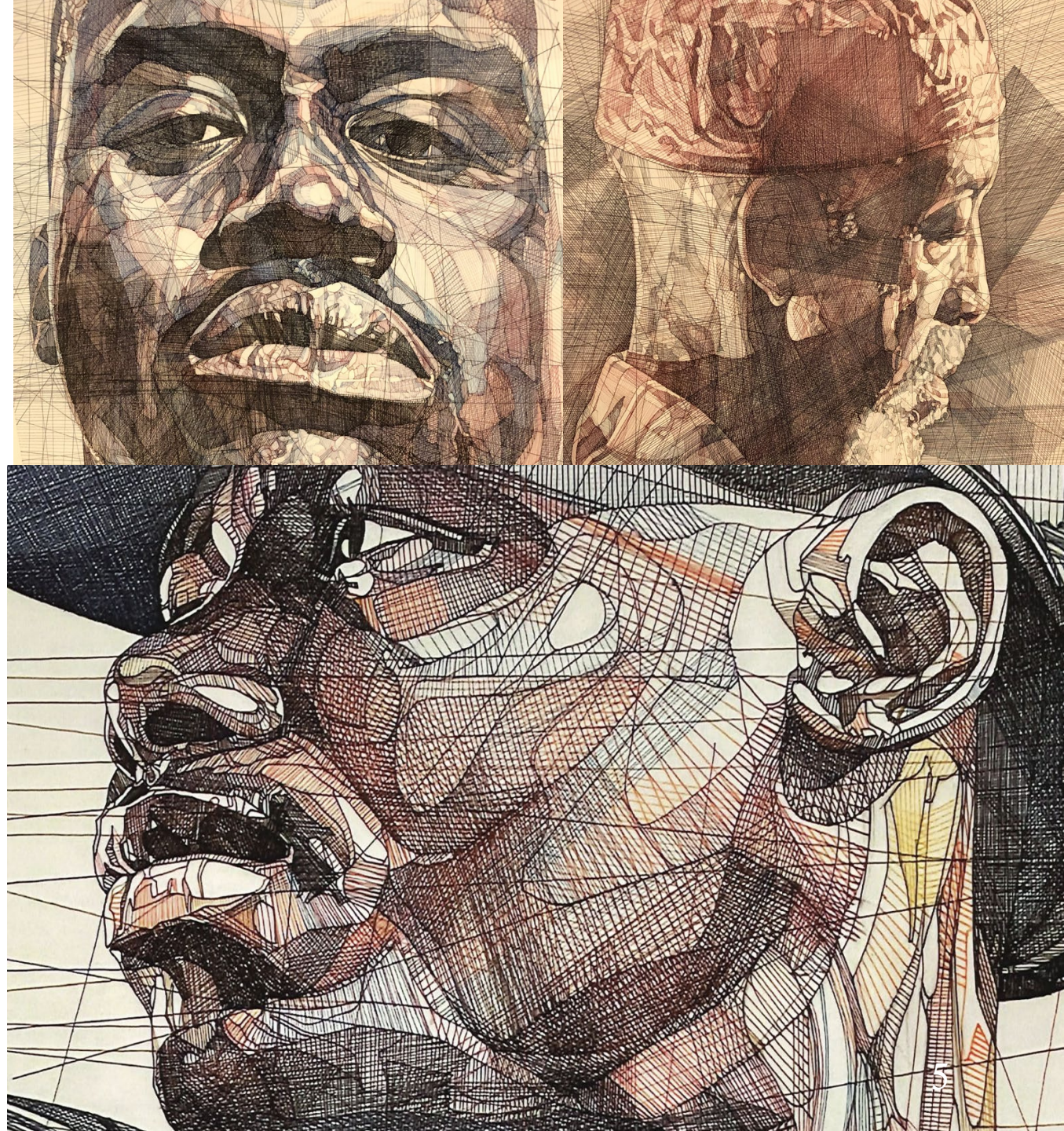
WHO IS JAMES PATE?

James Pate is one of Dayton's most well-known and awarded living artists.

James makes very detailed artwork using a style that he created and called "Techno-Cubism".

James showcases messages, famous people and emotions through his artwork.

WHAT IS TECHNO-CUBISM?

• Lines and angles that create shapes and patterns

• Movement, push or pull feeling

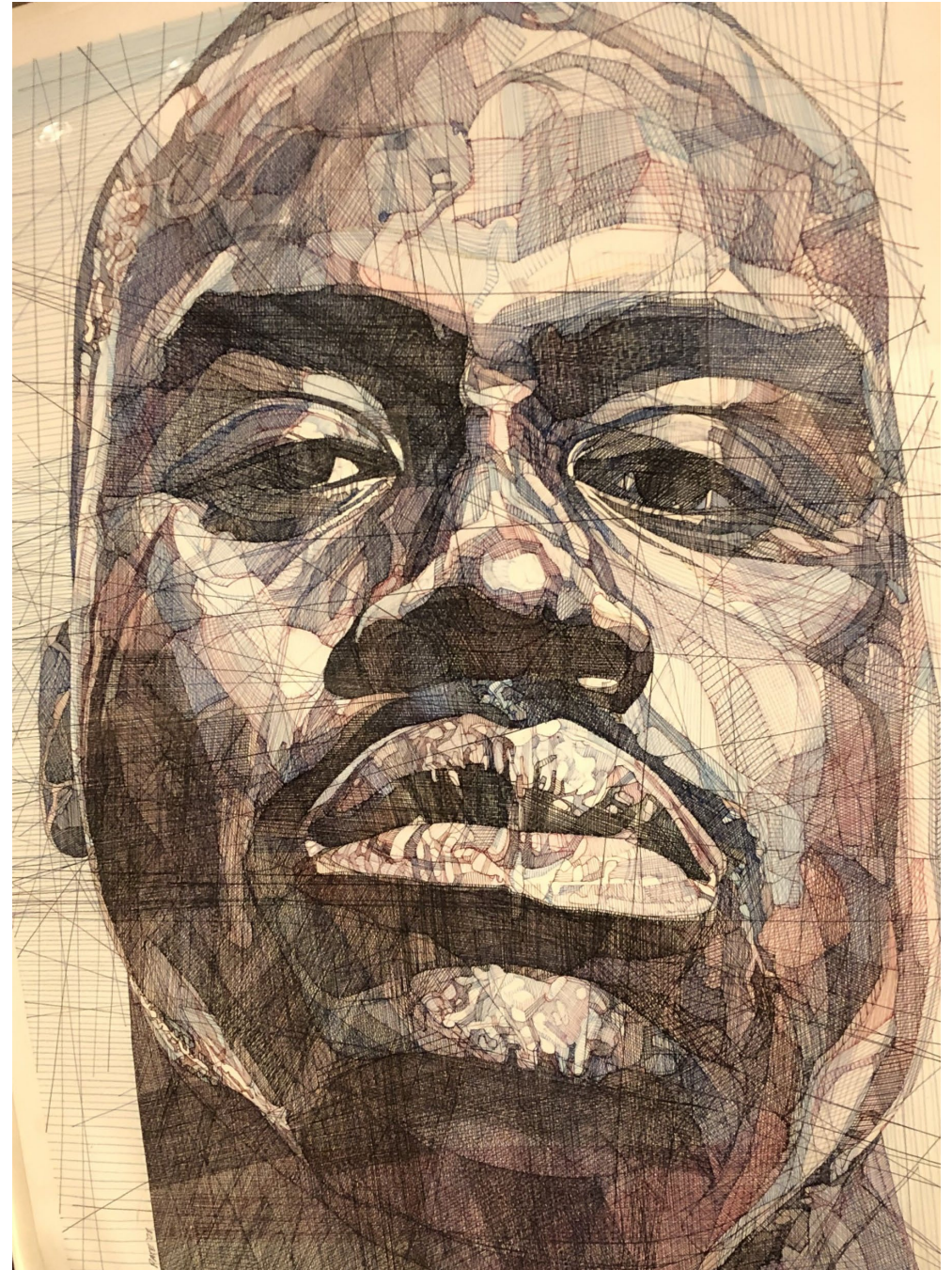• Overlapping and repeating designs or colors

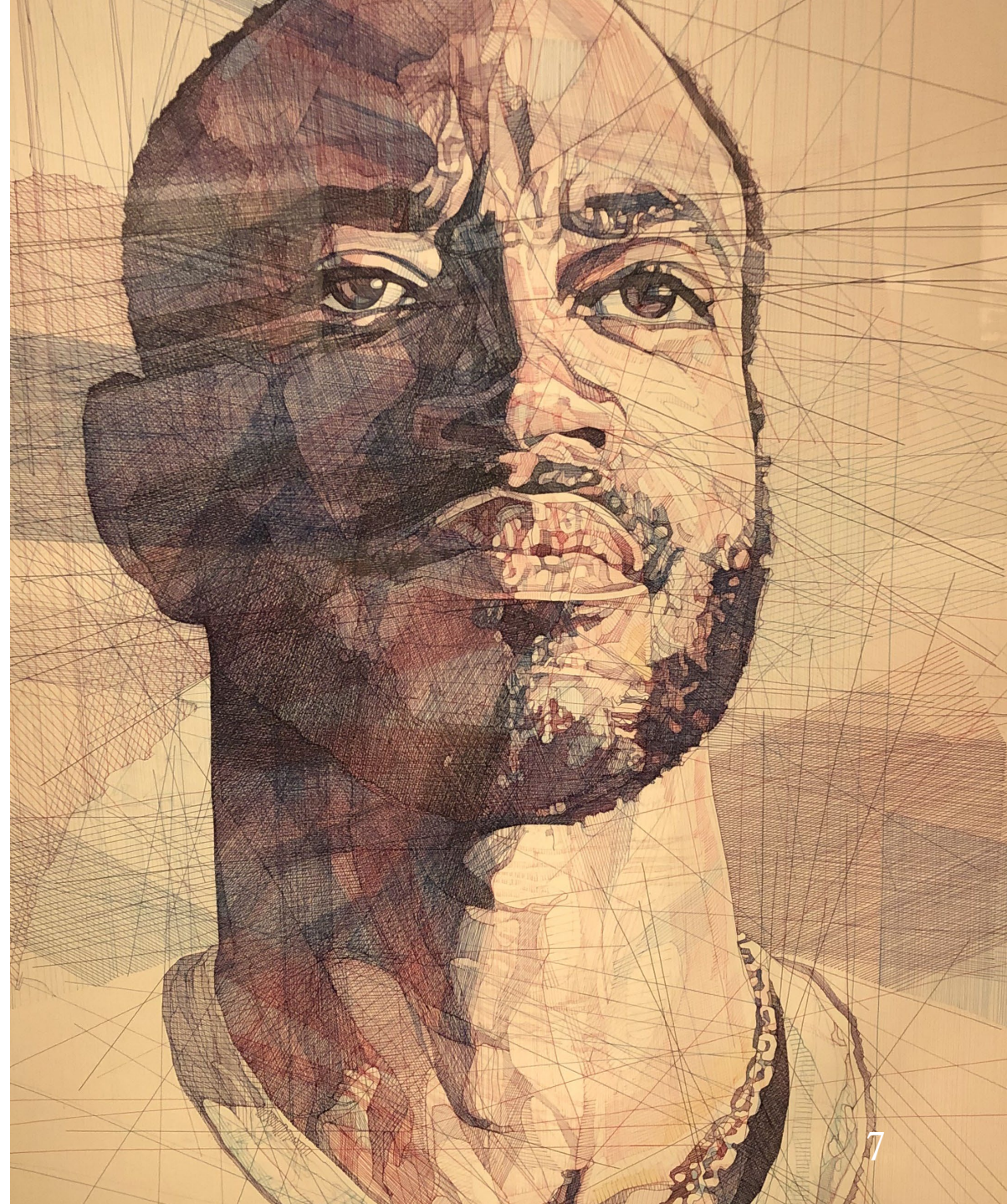Talk about it with a partner

What shapes or lines do you see?

How does it make you feel?

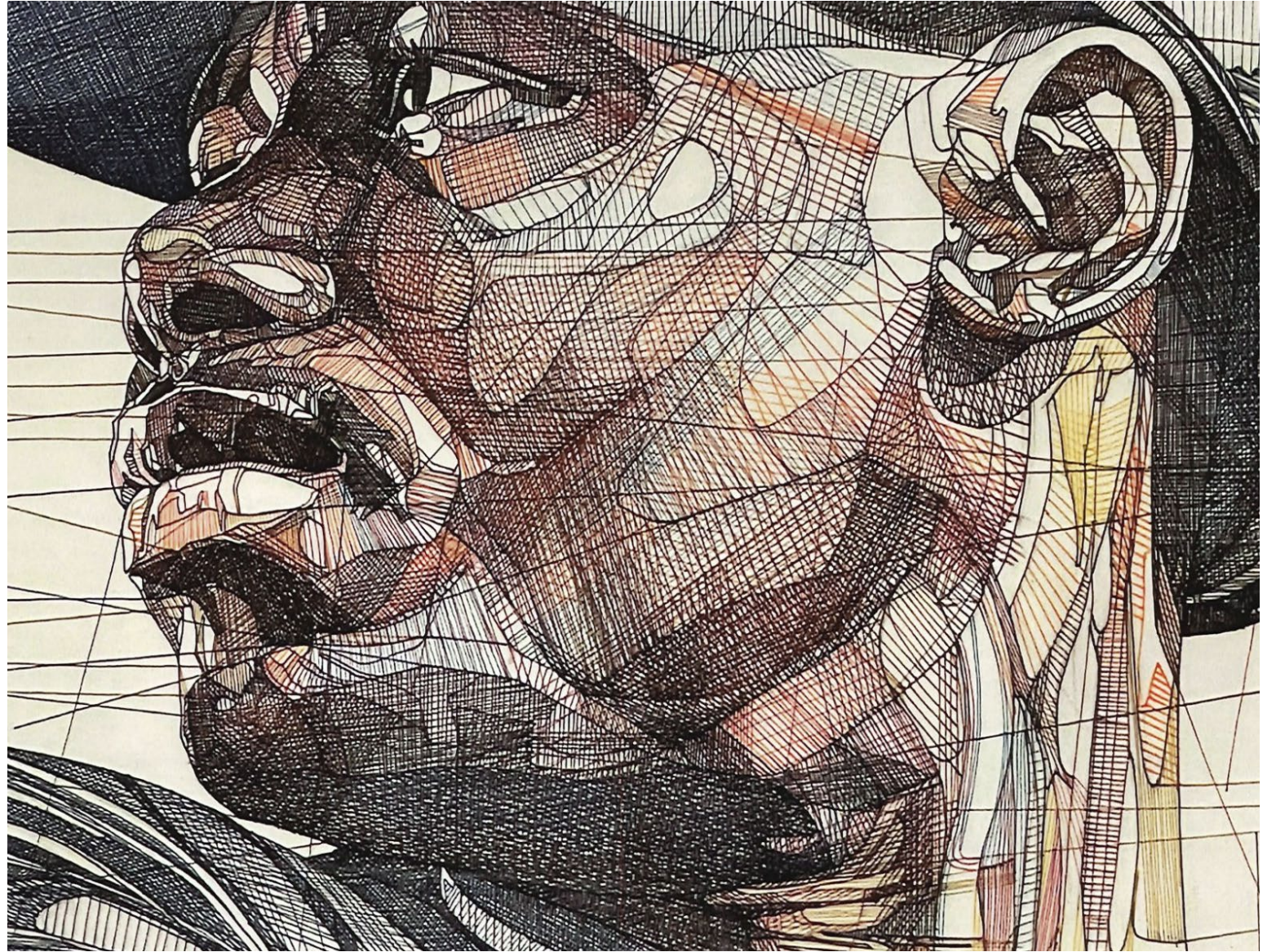What do you wonder about the person in the portrait?

Pate, J. (2009). *Rookie Shaq, in Techno-Cubism* [Pen and ink on paper]. 6

TAKE A CLOSER LOOK

Pate, J. (2012). *The Olympian, Edwin C. Moses, In Techno-Cubism* [Pen and ink on paper].

TAKE A CLOSER LOOK

Pate, J. (2011). *The Kid Griffey, in Techno-Cubism* [Pen and ink on paper].
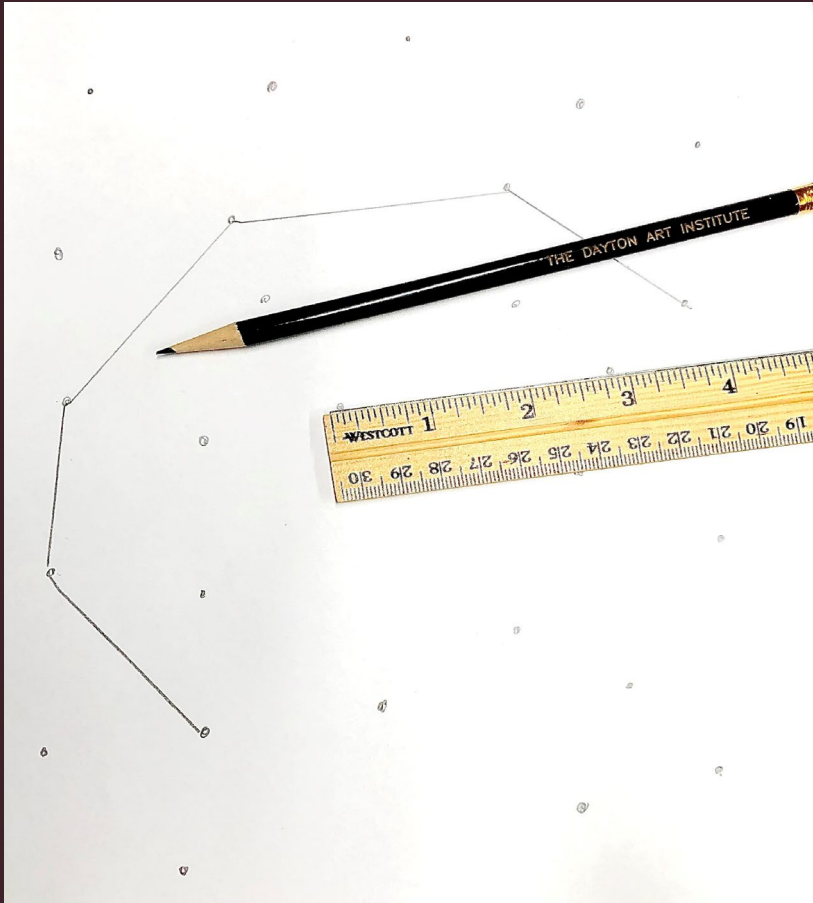
Talk about it with a partner

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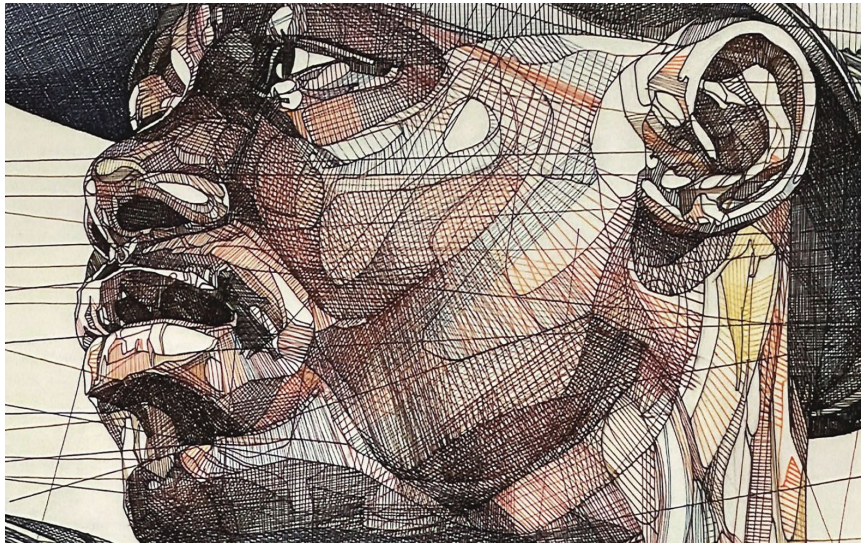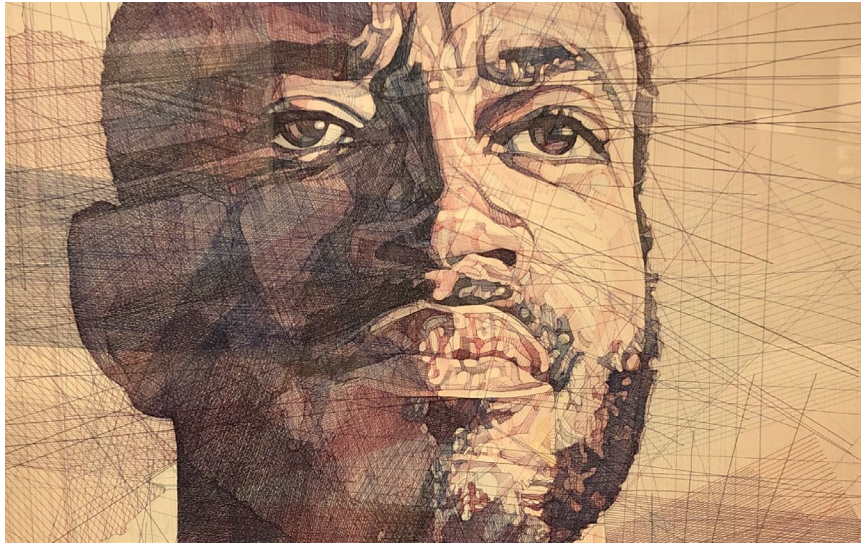
How does it make you feel?

What do you think or wonder about the person in the portrait?

Pate, J. (2014). *Bing's Portrait, in Techno-Cubism* [Pen and ink on paper].

MAKE PORTRAITS LIKE PATE USING GEOMETRY

1. Place 15-30 random points on paper
2. Connect the points with a pencil, a straight edge or a ruler to begin creating lines, angles and flat shapes
3. Add detail by adding more points, adding more shapes and using round lines
4. Trace your lines with a black marker or pen
5. Add color or designs to make your portrait unique

HOW DOES IT FEEL?

- What do you want people to think when they see your portrait?

- What do you want them to feel?

- How do you feel looking at your finished portrait?

- Write one to four sentences on the back about your portrait. Use the questions above to guide your thinking.