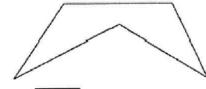
Practice Questions for the 2019 Decathlon Math: (High School)

- 1. Samantha drew $\triangle JKL$ with vertices (2, 3), (4, 3), and (5, 2). She reflected this triangle over the x-axis to create an image. What are the coordinates of the vertices of the image?
 - a. (0, 3), (2, 3), and (3, 2)
 - **b.** (2, 0), (4, 0), and (5, -1)
 - c. (-2, 3), (-4, 3), and (-5, 2)
 - d. (2, -3), (4, -3), and (5, -2)
- 2. Which decimal is equivalent to $\frac{7}{15}$?
 - a. 0.46
 - **b.** 0.46
 - **c.** 0.46
 - d. 0.467
- Which is the solution of the equation 4(x+2)+x+1=2x-3+3(x+4)?
 - a. -1
 - b.
 - c. no solution
 - d. infinite solutions

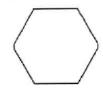
5.

Which polygon is a concave hexagon?

a.



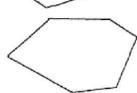
b.



c.



d.



- 4. Which of the following is not a parallelogram?
 - a. rhombus
 - b. kite
 - c. square
 - d. rectangle