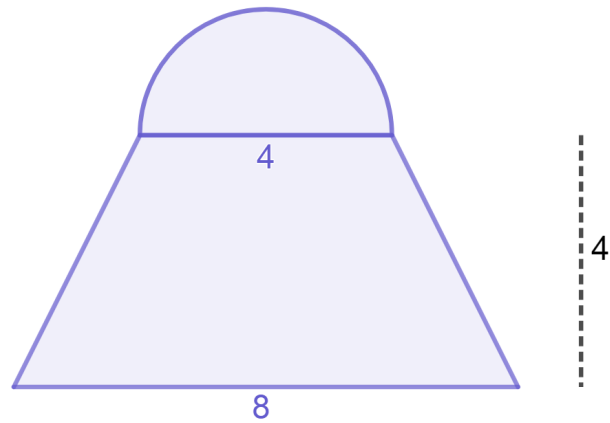
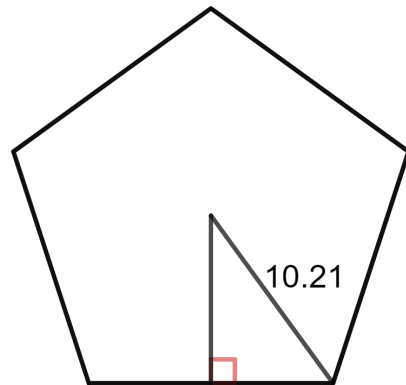
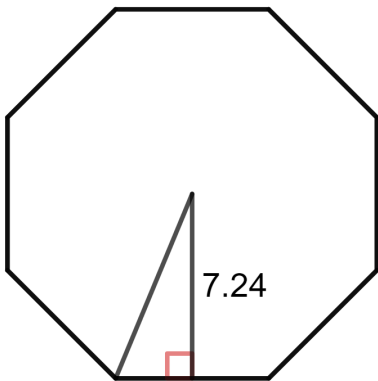


Free Chance to Take a Risk and Make Mistakes

What is the area of this composite figure?



What is the area of each regular polygon?



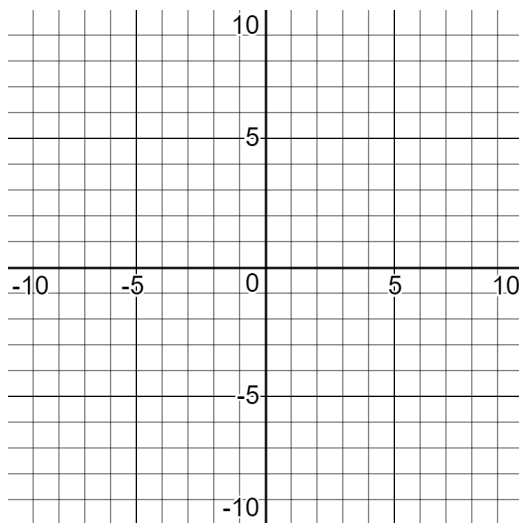
Spiraling Practice

A triangle is dilated by a scale factor of 3 with the center of dilation at the origin. Which statement is true?

- (1) The area of the image is nine times the area of the original triangle.
 - (2) The perimeter of the image is nine times the perimeter of the original triangle.
 - (3) The slope of any side of the image is three times the slope of the corresponding side of the original triangle.
 - (4) The measure of each angle in the image is three times the measure of the corresponding angle of the original triangle.
-

The center of circle Q has coordinates (3, -2). If circle Q passes through R(7, 1), what is the length of its diameter?

- (1) 50
- (2) 25
- (3) 10
- (4) 5



Which regular polygon has a minimum rotation of 45° to carry the polygon onto itself?

- (1) octagon
 - (2) decagon
 - (3) hexagon
 - (4) pentagon
-

The figure below consists of a square and 2 semicircles, with dimensions as shown. What is the outside perimeter, in centimeters, of the figure?

- A. $8 + 8\pi$
- B. $16 + 8\pi$
- C. $16 + 16\pi$
- D. $32 + 8\pi$
- E. $32 + 16\pi$

