

Circumference and Area of Circles

Answer each of the following problems, showing all work to support your solutions in your Math notebook.

[1] A circle with center $(-4, 2)$ passes through the point $(-4, -4)$. Determine the area and circumference of this circle, to the nearest tenth.

[2] A winter pool cover is priced at \$2.25 per square foot, plus a charge of \$69.00 for hardware. How much will it cost to purchase a cover for a circular pool that measures 40 feet in diameter?

[3] *Write your answer to this question in your **Math Journal**.* Will it cost **twice as much** to purchase a pool cover for a pool that measures 80 feet in diameter? Why or why not? Explain your answer and the reasoning behind it in a well-written paragraph.

FINALLY, DO THE FOLLOWING PROBLEMS FROM YOUR TEXTBOOK...

[6] TO [14] FROM PAGE 440

[17] TO [24] FROM PAGES 426-427

Before attempting these problems, carefully READ the text and examples on pages 424-425 and 438-439. Be sure to copy each problem and show all work done to solve it in your Math Notebook!