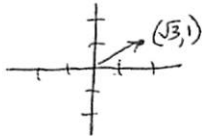
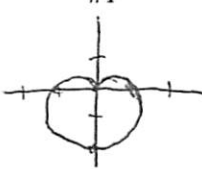


# Answer Key: CH. 11 TEST REVIEW

Rules: Play this game with a partner. The first person chooses a square and then answers the question number in that square. Write the answer in the square and mark that box with your initials. The second person repeats the process. The first person to get 5 boxes in a row (horizontally, vertically or diagonally) wins. When you are finished raise your hand to get an answer sheet.

To play for a prize: you and your teammate need to answer all the questions to fill the entire board. Each team member should answer at least 12 questions each.

Have Fun!!

#7 $(\sqrt{3}, 56.31^\circ)$	#19 	#3 $4 \text{cis } 60^\circ$	#6 $(-\frac{1}{2}, -\frac{\sqrt{3}}{2})$	#15 $12 \text{cis } 105^\circ$
#21 $8 \text{cis } \frac{10\pi}{3}$	#24 $2 \text{cis } 30^\circ$ $2 \text{cis } 120^\circ$ $2 \text{cis } 210^\circ$ $2 \text{cis } 300^\circ$	#13 $\sqrt{2} \text{cis } 105^\circ$ $\sqrt{2} \text{cis } 225^\circ$ $\sqrt{2} \text{cis } 345^\circ$	#16 $[22, \frac{5\pi}{12}]$	#11 $x^2 + y^2 =$ $(\frac{2y^2}{x^2 + y^2} - 1)^2$ → OR: $(x^2 + y^2)(1 \pm \sqrt{x^2 + y^2}) = 2y^2$
#17 $\sqrt{61}$	#9 $(4, 0^\circ)$ $(-4, 90^\circ)$	#1 	#10 $(0, 0)$ $(\sqrt{2}, 45^\circ)$ $(2, 90^\circ)$	#5 $(-\sqrt{2}, \sqrt{2})$
#20 $15, 625 \text{cis } 90^\circ$	#12 $(2, \frac{11\pi}{6})$	#22 $-32i$	#4 $(\sqrt{6} - \sqrt{2}) +$ $(\sqrt{6} + \sqrt{2})i$	#18 $-\frac{3\sqrt{3}}{2} + \frac{3}{2}i$
#23 $4 \text{cis } 30^\circ$ $4 \text{cis } 150^\circ$ $4 \text{cis } 270^\circ$	#14 $512 \text{cis } 270^\circ$	#25 FREE SPACE	#2 $2 + 2i\sqrt{3}$	#8 $(-\sqrt{26}, -11.31^\circ)$