

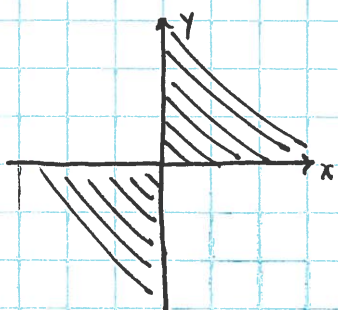
PROBLEM SET 10

1 a. $\cos(0) = 1$

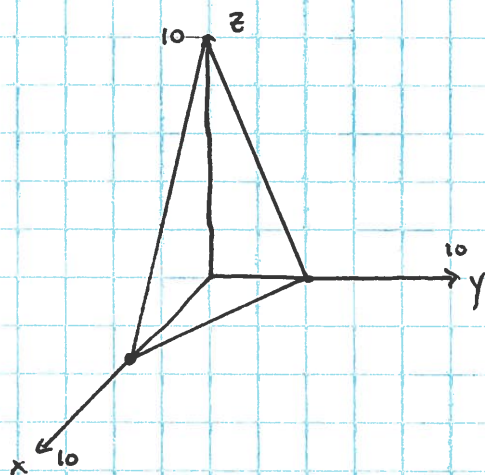
b. ALL REAL NUMBERS

c. $-1 \leq g \leq 1$

2. $xy \geq 0$

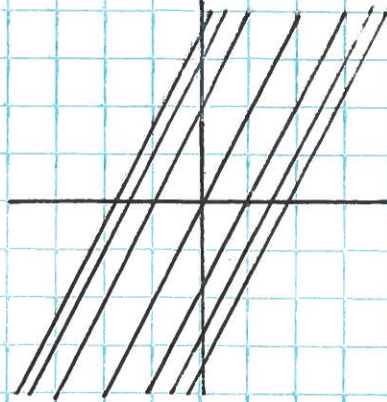


3.

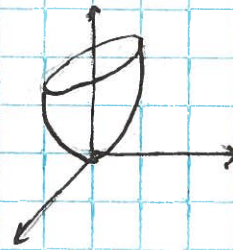
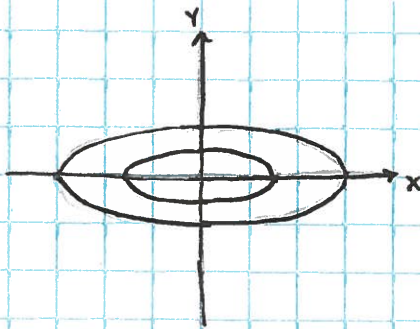


4. I

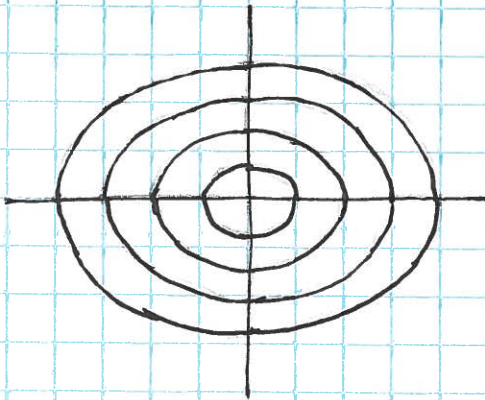
5. $z = (y - 2x)^2$
 $y = 2x \pm \sqrt{z}$



6.



7.



8. C AND II

9. A FLAT SURFACE WITH A
 NORMAL VECTOR $\langle 1, 3, 5 \rangle$

10. INVERT $f(x, y)$ ABOUT THE X-Y PLANE,
 THEN ELEVATE IT TWO UNITS ABOVE
 THE X-Y PLANE.