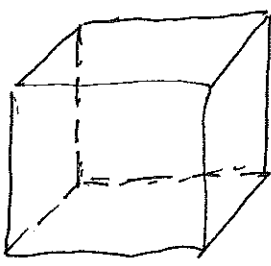


Quiz Review

(1) Find x & y int_s of tangent line to circle with center $(1, -2)$ and through point $(-2, 3)$.

(2) $x^2 + y^2 = 10$
 $y = x - 2$ Find points of intersection.

(3)  $A(3, 2, -2)$
 $B(3, 5, -6)$
 $C(-2, 2, -2)$
 $D(-2, 5, -6)$
 $E(3, 2, -6)$ Find the other vertices.
 (\quad, \quad, \quad)
 (\quad, \quad, \quad)
 (\quad, \quad, \quad)

(4) Write equation of sphere with diameter endpoints of $(4, 3, -2)$ and $(8, 9, -4)$.

(5) Find radius and center of $(x-2)^2 + (y+3)^2 + z^2 = 72$.

(6) Which plane is \perp to $2x + 11y = 20$?

(7) Which axe(s) are \parallel to $z = 7$?

(8) What is the equation for the yz plane?

12.5 HW # 47, 53-58