- (1) At (0,0) the graph of f(x) = |x|
 - (a) has a tangent line at y = 0
 - (b) has infinitely many tangent lines
 - (c) has no tangent line
 - (d) has two tangent lines y = -x and y = x.

- (2) The line tangent to the graph of f(x) = x at (0,0)
 - (a) is y = 0
 - (b) is y = x
 - (c) does not exist
 - (d) is not unique. There are infinitely many tangent lines.

- (3) Water is being poured into a cylindrical vase. The height of the water changes as more water is poured in. The instantaneous change in the height with respect to the volume of water in the vase
 - (a) is constant
 - (b) varies inversely as the cube of the radius
 - (c) not enough information to tell.