## First Quiz for Math 06

1. The larger leg of a right triangle is 3 inches more the smaller. The hypotenuse is $3 \sqrt{5}$ inches. Find the length of the two legs.
2. A point $P$ lies in the $x$-axis and is at distance 3 from the point $(3,-1)$. Find the point $P$.
3. A line is drawn from the point $P(2,-3)$ perpendicular to the line $l: x+y=3$ and meets $l$ at a point $Q$. Find the coordinates of the point $Q$.
