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.