Practice Questions (Lecture No. 3)

Note: Practice these questions. Solve and type in Math Type Software.

Q1: Show that the point $(2, 3)$ lies on the line $3x + 2y = 12$.

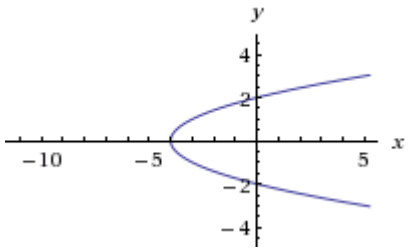
Q2: Check whether the point $(2, 3)$ lies on the line $7x - 2y = 20$ or not.

Q3: Find the x and y-intercepts of the line $3x + 2y = 12$.

Q4: Find the x and y-intercepts of the line $7x - 2y = 20$

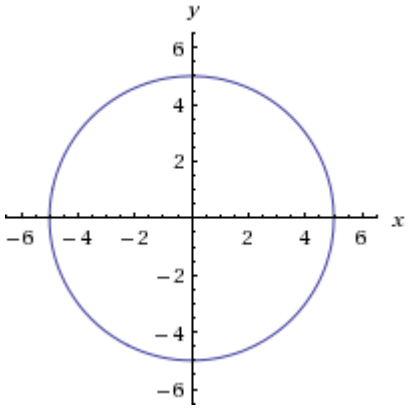
Q5: Find the x and y-intercepts of the line $7x^2 - x = 2y$

Q6: The graph of the equation $y^2 = x + 4$ is shown below:



The figure is given for your better understanding, but you have to prove it mathematically that this graph is symmetric with respect x-axis.

Q7: The graph of the equation $x^2 + y^2 = 25$ is shown below:



The figure is given for your better understanding, but you have to prove it mathematically that this graph is symmetric with respect origin.