Answer on Question #76986 – Math – Calculus

Question

Let C denote the circle whose equation is $(x - 5)^2 + y^2 = 25$. Notice that the point (8; -4) lies on the circle C. Find the equation of the line that is tangent to C at the point (8; -4).



Solution

The equation of the line that is tangent to C at the point (8; -4) is

$$y = \frac{3}{4}x - 10$$

Answer provided by https://www.AssignmentExpert.com