

comp.windows.x

Please ignore my previous calculation. Please see the correct calculation. Sorry!

$$x_3 = 300;$$

$$@ = \arctan (500 - 270)/(800 - 100) = 18.19 \text{ degrees};$$

$$y_3 = 100 + (300 - 270)/\tan(@) = 191.29 \approx 191 \text{ integer}$$