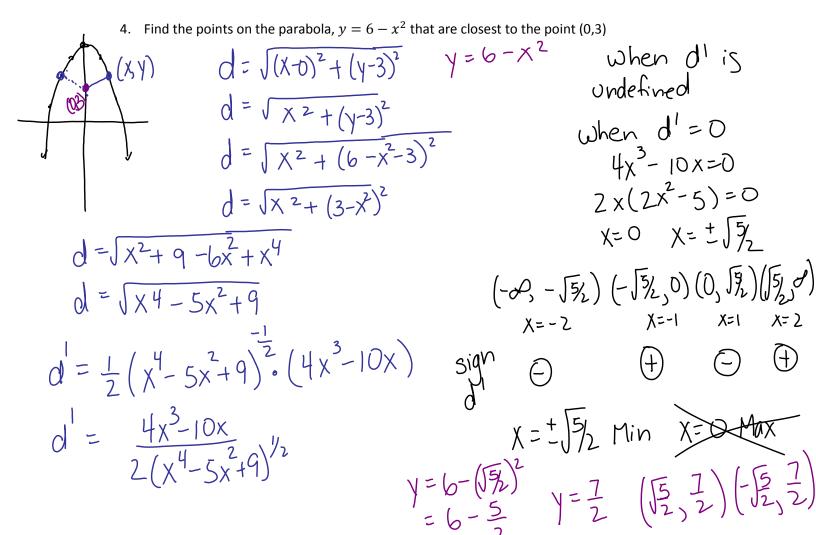
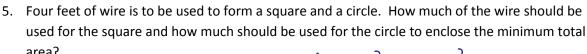
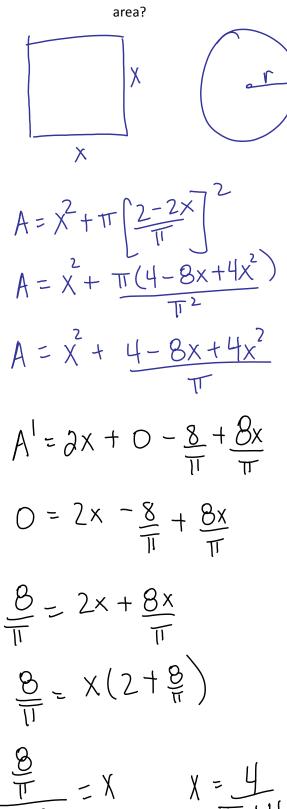
3. A triangle is formed in the first quadrant using the axes and a line through the point (2,3). Find the minimum area of the triangle.







A =
$$X^2 + TT r^2$$

 $4 = 4x + 2TT r$ $0 \le X \le 1$
 $4 - 4x = 2TT r$
 $4 - 4x = r$
 $2 - 2x = r$
 $7 - 2 = r$