F from a point without a circle two straight lines be drawn to it, one of which is a tangent to

the circle, and the other —
cuts it; the rectangle under the whole
cutting line — and the
external fegment — is equal to
the square of the tangent — .

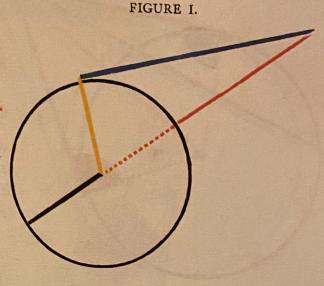


FIGURE I.

Let _____ pass through the centre;

draw ____ from the centre to the point of contact;

2 = ____ 2 minus ___ 2 (B. 1. pr. 47),

or ___ 2 = ____ 2 minus ___ 2,

(B. 2. pr. 6).

