WISSENAIRE (Maths Olympiad) Name: J. SHYAM SAI

Taking modulus on both sides,

$$(\sqrt{8+1})^{50} = 3^{19}(\sqrt{62+62})$$

Squaring on both sides

$$\left[a^{2} + b^{2} = 9 \right]$$

:. Required answer: att = 9.