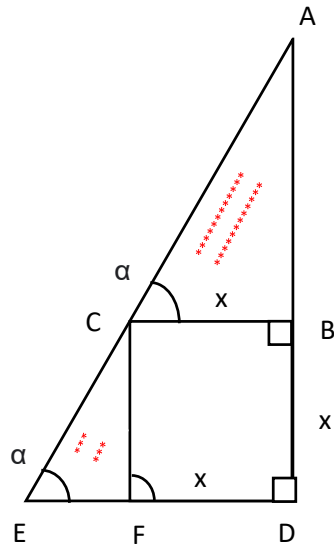


## Square and Triangle



$$AD = 2a$$

$$ED = a$$

$$D = 90^\circ$$

$$\operatorname{tg} \alpha = \frac{2a}{a} = 2$$

$$\frac{x}{a-x} = 2$$

$$x = 2a - 2x$$

$$3x = 2a$$

$$x = \frac{2}{3} \cdot a$$

BCFD is a square

$$x = ?$$