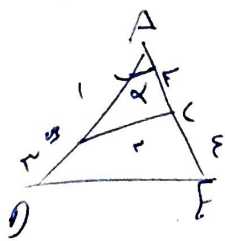


7)



~~8) $\frac{1}{r} \times \frac{1}{r} \times (1+r) \times (r-t) = r$~~

$\Rightarrow B(=1+r-\epsilon(2\alpha)$

$B(=1+r-\epsilon(2\alpha) \Rightarrow \frac{1}{r} \times \frac{1}{r} \times (1+r) \times (r-t) = r$

$\frac{1}{r} \times \frac{1}{r} \times (1+r) \times (r-t) = r$
 $\frac{1}{r} \times \frac{1}{r} \times (1+r) \times (r-t) = r$
 $1 - 12(5) = 12$

$DE = \frac{1}{r} \times \frac{1}{r} \times (1+r) \times (r-t) = r$

$\frac{1}{r} \times \frac{1}{r} \times (1+r) \times (r-t) = r \Rightarrow DE = r\sqrt{1}$

8)

$B(=1+r-\epsilon(2\alpha) \Rightarrow \frac{1}{r} \times \frac{1}{r} \times (1+r) \times (r-t) = r$

(اف)

ب) $\frac{1}{r} \times \frac{1}{r} \times (1+r) \times (r-t) = r$

9)



$\frac{a^2 + r^2 b^2 c^2}{b^2 c^2 (1+r)} \Rightarrow \frac{b^2 + (1+r) b^2 c^2}{b^2 c^2 (1+r)}$

$\frac{a^2 + r^2 b^2 c^2}{b^2 c^2 (1+r)} = \frac{r^2 b^2 c^2 (1+r)}{b^2 c^2 (1+r)} = r$

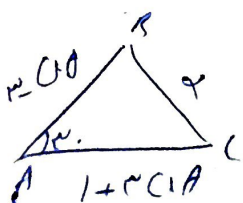
10)

~~$\frac{a^2}{b^2} - c^2 = \frac{a^2}{b^2} + b^2 c^2 - c^2$~~

$(b^2 - c^2) (b^2 + c^2 + bc) = a^2 (b^2 - c^2) \Rightarrow b^2 + c^2 + bc = a^2$

$a^2 = b^2 + c^2 - 2bc \cos A \Rightarrow -2 \times (1) \times A = 1 \Rightarrow (1) A = \frac{1}{2} \Rightarrow A = \frac{1}{2}$

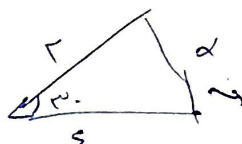
11)



$\frac{1}{r} \times \frac{1}{r} \times (1+r) \times (r-t) = r$

$r + t + -t - r + r = 1$

$r + t - 1 + t = 1 \Rightarrow \frac{1}{r} = \frac{1}{2} \Rightarrow r = 2$



$d = 17 + 5 - 2 \times 2 \times 2 \times \frac{1}{2}$
 $r = 17$

~~$\frac{1}{r} \times \frac{1}{r} \times (1+r) \times (r-t) = r$~~