EXAMEN TMM GIDIDP JUNIO 2020
PROBLEMA ANALISIS CINEMATICO ANALITICO

75°

⑤

E

⑦

H   G   D

F   6

120°

④

w_4 = 4 rad/s   Cte

w_5 = 5 rad/s

α_5 = 5 rad/s

③

B

②

A

C   ①

40

40

69.28

R_7 = 40cm $\overline{CE}$ = 100cm

R_3 = 20cm $\overline{DE}$ = 25cm

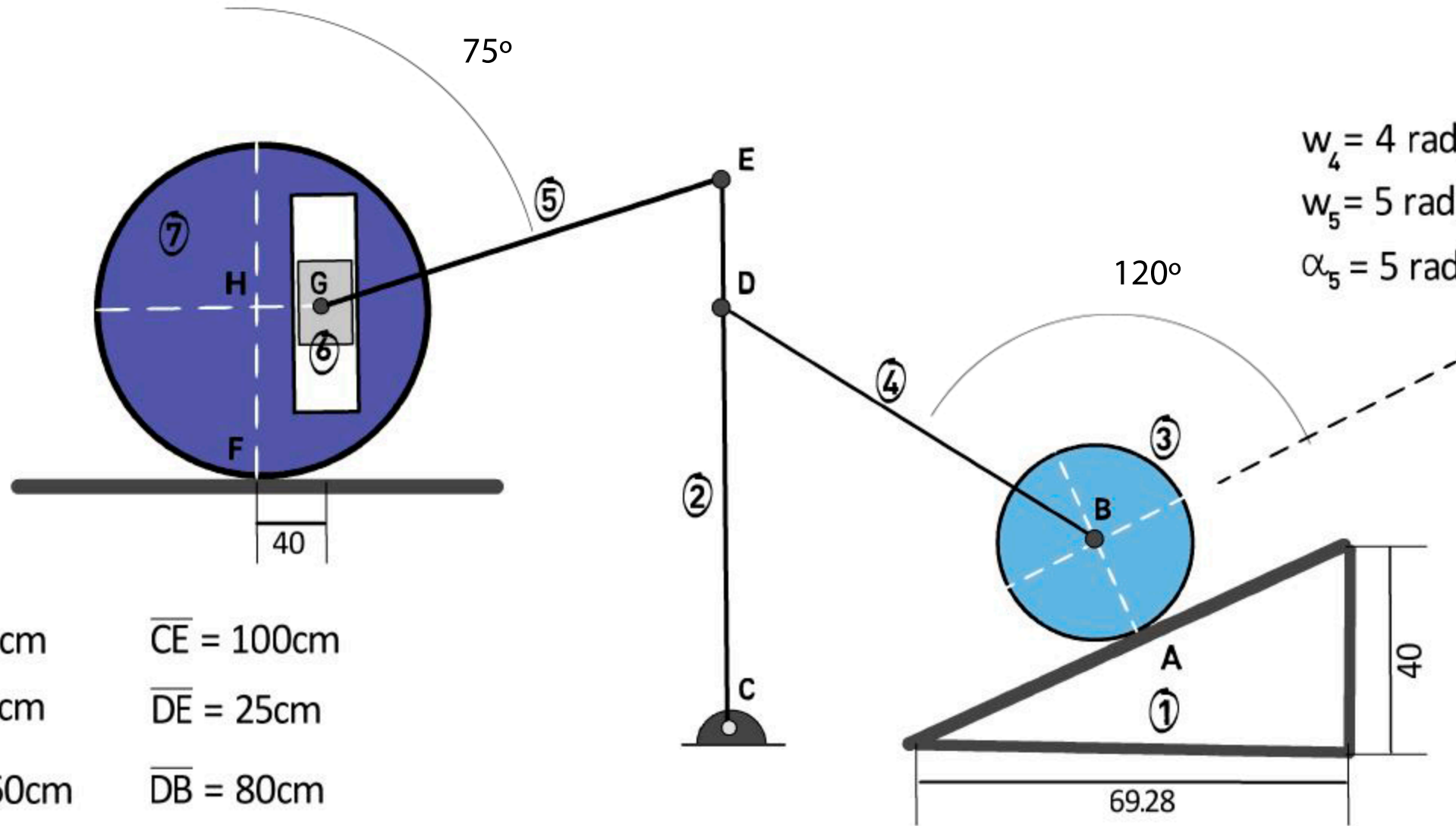$\overline{GE}$ = 60cm $\overline{DB}$ = 80cm

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VELOCIDADES

$w_2 = 4{,}26$ rad/s

$V_B = 554{,}256$ cm/s

$w_7 = 12{,}61$ rad/s

$V_{57}^G = -37{,}68$ cm/s

ACELERACIONES

$\alpha_2 = -1.87$ rad/s²

$a_B = -1442$ cm/s²

$\alpha_7 = 136{,}59$ rad/s²

$a_{57}^G = 1015.54$ cm/s²