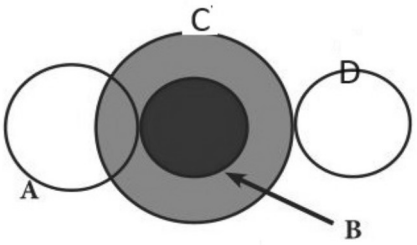
Name: Evan Bohlmann

For the system of gears pictured, when gear A = 74 teeth, gear B = 14 teeth, gear C = 82 teeth, and gear D = 16 teeth, and the input torque is 44 N-m, what is the output torque (precision of 0.01)?



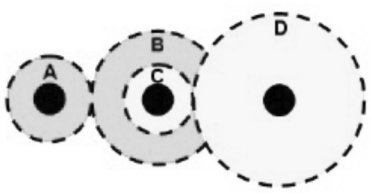
$\frac{74}{14} \cdot \frac{82}{16}$

$4.625 \cdot 5.125$

1042.8

$\frac{23.70}{1} = \frac{x}{44}$ ·44

For the system of gears pictured, when gear A = 20 teeth, gear B = 98 teeth, gear C = 6 teeth, and gear D = 56 teeth, and the input torque is 76 N-m, what is the output torque (precision of 0.01)?



$\frac{98}{20} \cdot \frac{56}{6}$

$45.72 \cdot 76$ (4.9 · 9.33)

3474.72

Write ONLY answers below this line _____

GRSSet11

a: 1042.8

b: 3474.72