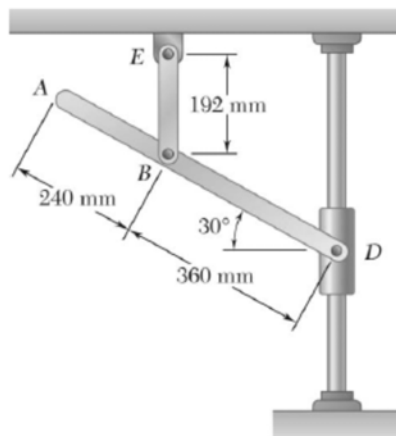
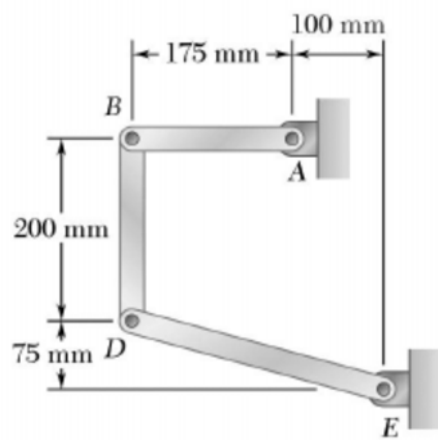


1)



Knowing that at the instant shown the velocity of collar  $D$  is 1.6 m/s upward, determine (a) the angular velocity of rod  $AD$ , (b) the velocity of Point  $B$ , (c) the velocity of Point  $A$ .

2)



Knowing that at the instant shown bar  $AB$  has a constant angular velocity of  $4\text{ rad/s}$  clockwise, determine the angular acceleration ( $a$ ) of bar  $BD$ , ( $b$ ) of bar  $DE$ .