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2/76 At 0:

$$R = 4 (\cos 15^{\circ}i + \sin 15^{\circ}j) = 3.86i + 1.035j N$$
 $A = 300 - 4\cos 15^{\circ} (40) + 4\sin 15^{\circ} (10)$
 $A = 155.8 \text{ N·mm} CCW$
 $A = 155.8 \text{ N·mm}$
 $A = 155.8 \text{ N·mm}$