PAYSICS MIDTERY 2 CHAPTERY: DYNAMICS FORCE AND NEWTON'S LAWS OF MOTION O. ") The THRUST D) F. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.4005 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.4005 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.4005 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.4005 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.4005 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.4005 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 1.405 10° D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 10 1.25 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 2 (4.5 × 10° 1.405 10°) 7.3. D) S. = 41.5 110° 2 (4.5 × 10°) 7.3. D) S. = 41.5 110° 2 (4.5 × 10°) 7.3.	
CHAPTERY: 174N AMICS FORCE AND NEWTON'S LAWS OF MOTION O. a) OF F., THRUST FOR LAIR RESISTING [GRAVITY] D) F. = 4.5 + 10° 10 1.75 × 16° = (4.5 × 10° + 4.90 × × 10°) = 3. W: 5.10° kg (9.81) Ly 4.90 5 × 10° N Fy = 1.25 × 10° N Fy = 1.25 × 10° N Fy = 1.25 × 10° N	
D. a) TE, THRUST FOR LAIR RESISTNE/GRAUTY) D) F. = 4.5 + 10° IV 1.25 + 16° = (4.5 × 10° + 4.90 × × 10°) = 3. W = 5.10° kg (9.81) Ly 4.90 5 × 10° N The state of the stat	
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same force opposit	te direction
2000 Kg - M 2,000 (100) 1 000 W = F ₀ = 460,000 N -100 = 3.901 10 ⁵ N	
-0 3.44.10	
$\frac{1}{150} \frac{1}{150} \frac{1}$	
2 W-76.0 kg c) Free - T.y. Teg - W	
Ty 5 To To To To To Sin 15° = 0 4	
$T_{1,2} = T_{2,2}$ $T_{2} = T_{1} \left(\frac{\sin 15^{\circ}}{\omega \sin^{\circ}} \right)$	
b) $F_{net} = T_{z} - T_{ix}$ $F_{net} = 0$ $T_{1} \cos \theta = T_{z} \sin \theta$ $T_{2} \cos \theta = T_{3} \sin \theta$ $T_{3} \cos \theta = T_{4} \sin \theta$ $T_{1} \cos \theta = T_{5} \sin \theta$ $T_{1} \cos \theta = T_{5} \sin \theta$ $T_{2} \cos \theta = T_{5} \sin \theta$ $T_{1} \cos \theta = T_{5} \sin \theta$ $T_{2} \cos \theta = T_{5} \sin \theta$ $T_{3} \cos \theta = T_{5} \sin \theta$ $T_{4} \cos \theta = T_{5} \sin \theta$ $T_{5} \cos \theta = T_{5} \sin \theta$	
COS 15- T1 = W9 - T1 (SIN'S) SINIO . COS 15°	,a
05 150	7



