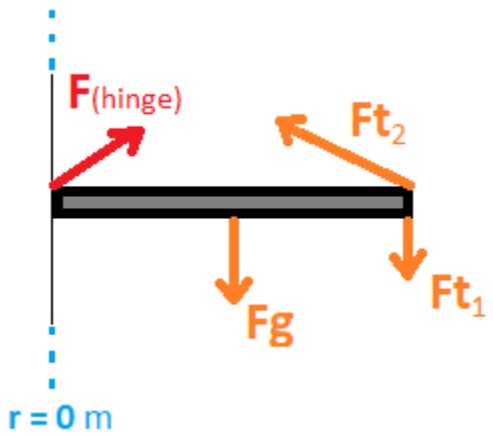
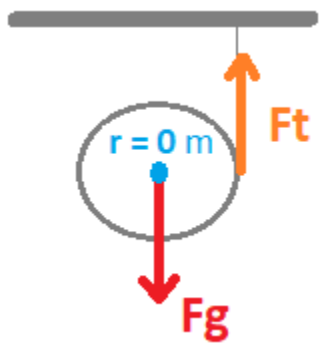
PhysicsIn5.com
Answers Only (9.03 - Torque)

1	E
2	D
3	 Fg, Ft_1, and Ft_2 are all torques. They are applied away from the axis (r = 0 m), and are directed at least someway perpendicular to the beam. F(hinge) is not a torque. Since it is applied at the axis of rotation, it will not rotate the beam.
4	 Ft is a torque. It is applied away from the axis (r = 0 m) and directed tangent to the edge of the disc. Fg is not a torque. Since it is applied at the axis of rotation, it will not rotate the cylinder.