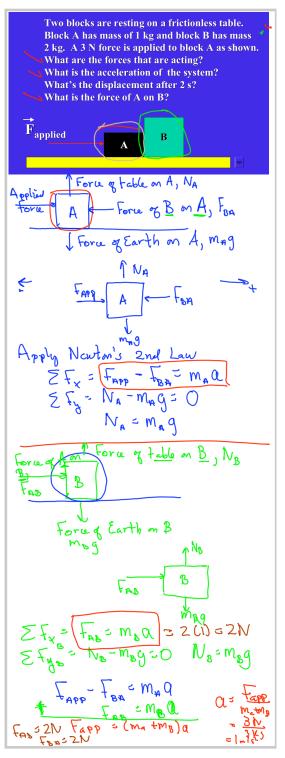


Misconceptions of force concept (please acknowledge and avoid these):

- 1. Forces are caused by animate objects.
- 2. If F=0, object must stop moving.
- **3. Motion requires force.**
- 4. Net force is proportional to velocity.
- 5. Object at rest means no force acting on it.
- 6. Tension is the sum of forces acting on a string.
- 7. The forces that an object exerts on its surrounds affect its own motion.
- 8. A horizontal force can cancel a vertical force.
- 9. The motion of an object is only in the direction of the net force.
- 10. Friction always hinders motion.
- 11. Large objects always exert greater forces than small objects



Title: Feb 11-11:34 AM (3 of 7)

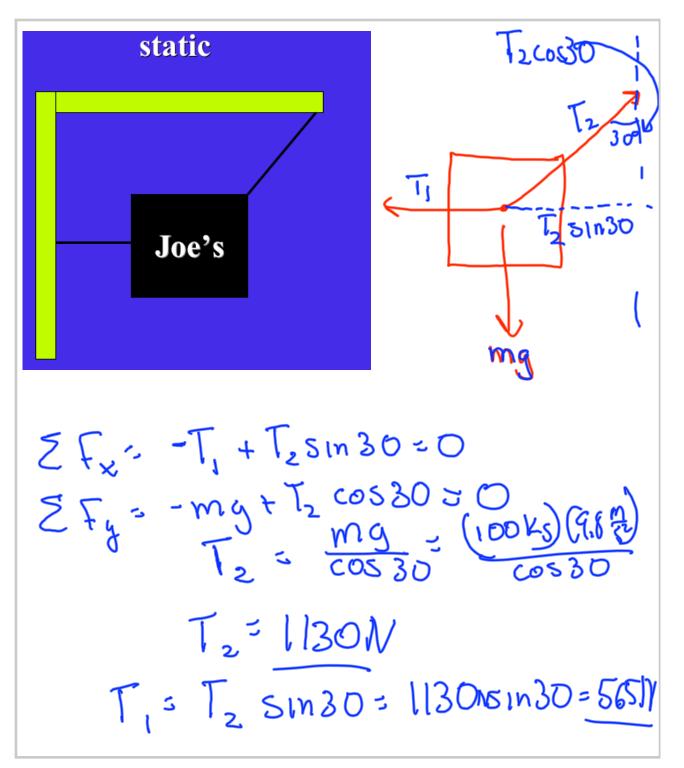
$$\frac{3N}{A+B-3K_{5}}$$

$$Want dis placement after
$$2s.$$

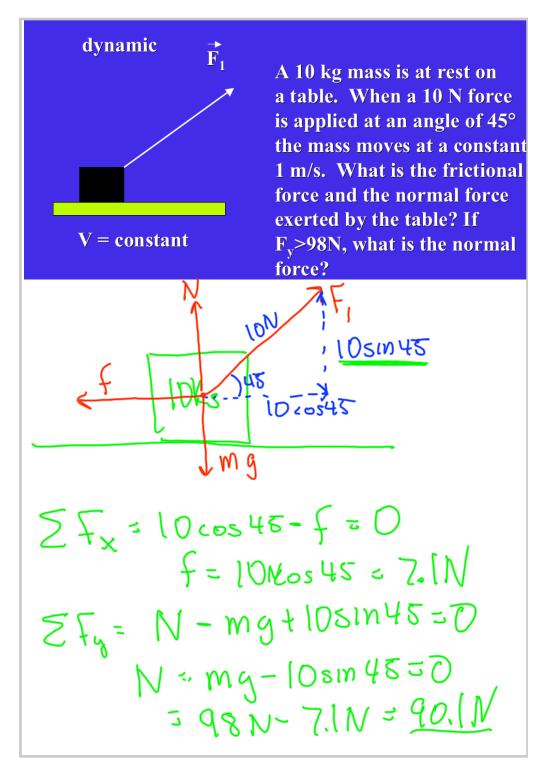
$$5X = \frac{1}{2}at = \frac{1}{52}\left(\frac{m}{52}\right)\left(2s\right)$$

$$= 2m$$

$$V_{f} = 2mls be cause V=at$$$$



Title: Feb 11-11:55 AM (5 of 7)



Title: Feb 11-12:03 PM (6 of 7)

Title: Feb 11-12:10 PM (7 of 7)