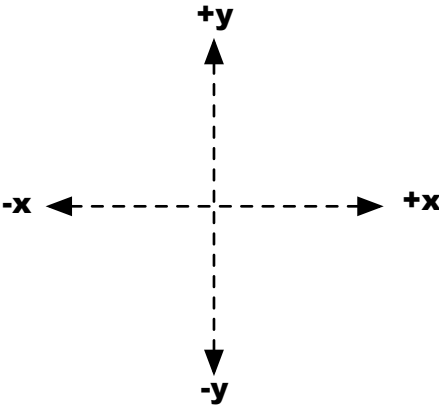
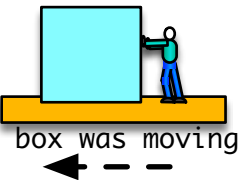


Cycle 5 Coeff of Friction & Normal

Using CoF to get Fnet A

The 60 kg box was already moving to the left. The person applies a force of 400 N to the box. The coefficient of friction between the box and the floor is 0.7



x-direction

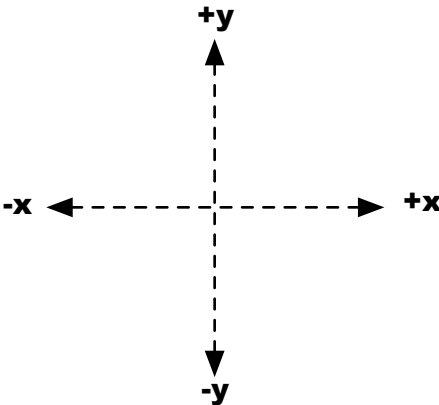
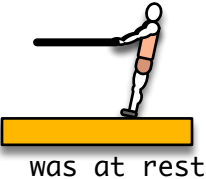
Fnet	direction

- ☐ The box is slowing down.
- ☐ The box is speeding up.
- ☐ The box is maintaining constant speed.

y-direction

Fnet	direction

The 80 kg person is at rest. Then the tug-of-war starts and the tension in the rope increases to 500 N. The Coefficient of friction between his shoes and the floor is 0.9



x-direction

Fnet	direction

- ☐ He stays at rest.
- ☐ He gains speed to the right.
- ☐ He gains speed to the left.

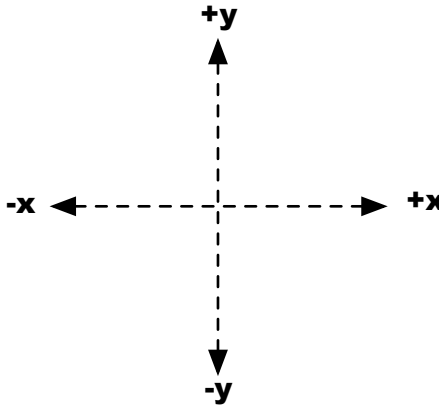
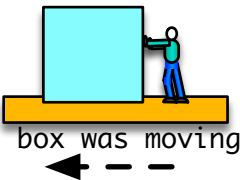
y-direction

Fnet	direction

Cycle 5 Coeff of Friction & Normal

Using CoF to get Fnet B

The 50 kg box was already moving to the left. The person applies a force of 400 N to the box. The coefficient of friction between the box and the floor is 0.7



x-direction

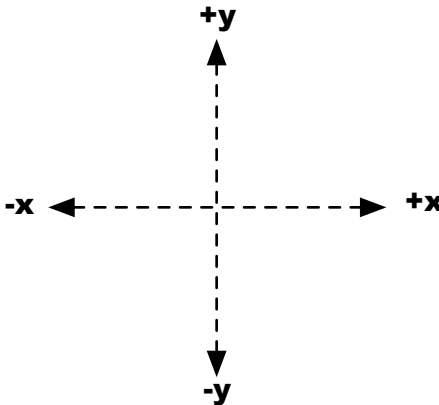
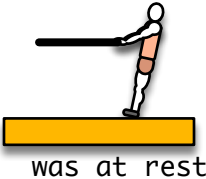
Fnet	direction

- ☐ The box is slowing down.
- ☐ The box is speeding up.
- ☐ The box is maintaining constant speed.

y-direction

Fnet	direction

The 70 kg person is at rest. Then the tug-of-war starts and the tension in the rope increases to 500 N. The Coefficient of friction between his shoes and the floor is 0.9



x-direction

Fnet	direction

- ☐ He stays at rest.
- ☐ He gains speed to the right.
- ☐ He gains speed to the left.

y-direction

Fnet	direction