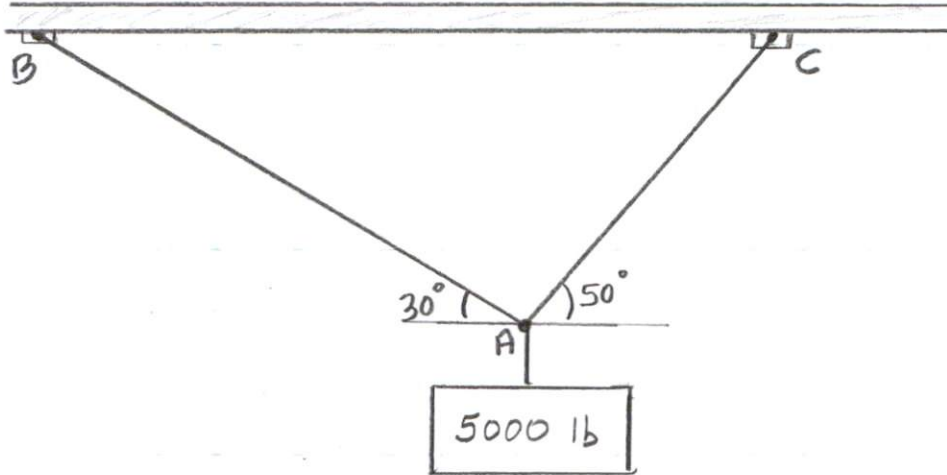


SHOW ALL WORK FOR FULL CREDIT. DO YOUR OWN WORK.

Name: \_\_\_\_\_

Two  $\frac{3}{4}$  in steel cables are used to support a 5000 lb crate. Determine the normal stress in each cable.

Hint: Sketch the Free Body Diagram of the concurrent coplanar force system at A and solve for the force in each cable using either the Force Triangle Method or Equilibrium Equations.



Solution.