Torque WS

1. A 3000 kg deck is cantilevered over a beam as shown. It is attached to the house at the other end. Find the force on the beam. Just change ft. to meters.

2. Find the support forces in the 4000 N bridge shown below. The total length of the bridge is 30 m.

3. Find the support forces in the following situation if the bridge weighs 5000 N and the bricks weighs 300 N and are 0.75 m from the end of the bridge, the 180 N giant Dinosaur Easter Egg is 1 m to the left of the support, and the 600 N man is 0.5 m from the end of the bridge.