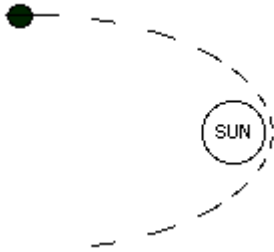


2. A comet is speeding along a hyperbolic orbit toward the Sun.



While the comet is moving away from the Sun, the work done by the Sun on the comet is:

1. positive
2. zero
3. negative