

- 11** An external agent does 100 J of work in moving a 2.0 kg mass from point X to point Y in a gravitational field, and  $-120$  J of work in moving the mass from point Y to point Z. Finally, the external agent does 2000 J of work in moving the mass from point Z to infinity.

What is the gravitational potential at point X?

**A** 38 W

**B** 180 W

**C** 1100 W

**D** 2300 W