10. . Two planets, A and B, orbit a star. Planet A moves in an elliptical orbit whose semimajor axis has length a. Planet B moves in an elliptical orbit whose semimajor axis has a length of 9a. If planet A orbits with a period T, what is the period of planet B’s orbit? (A) 729T (B) 27T (C) 3T (D) T/3 (E) T/27