

C. Given a real constant c , the equation

$$x^4 = (x - c)^2$$

has four real solutions (including possible repeated roots) for

- (a) $c \leq \frac{1}{4}$, (b) $-\frac{1}{4} \leq c \leq \frac{1}{4}$, (c) $c \leq -\frac{1}{4}$, (d) all values of c .