

F. The equation in x

$$3x^4 - 16x^3 + 18x^2 + k = 0$$

has four real solutions

- (a) when $-27 < k < 5$;
- (b) when $5 < k < 27$;
- (c) when $-27 < k < -5$;
- (d) when $-5 < k < 0$.