$$f'(x) = 3ax^{2} + 3bx + Cx + d$$

$$f''(x) = 3ax^{2} + 3bx + C$$

## Necessary conditions

To satisfy conditions la, 16

To satsify conditions da, db, de

$$3a(3)^{2} + 2b(3) + C = 0$$

d can be any real number to satisfy all conditions