Name
mysql_ssl_set - Sets TLS/SSL options

Synopsis

```
#include <mysql.h>

my_bool mysql_ssl_set(MYSQL *mysql,
             const char *key,
             const char *cert,
             const char *ca,
             const char *capath,
             const char *cipher)
```

Description
Used for establishing a secure TLS connection. It must be called before attempting to use
mysql_real_connect(3). TLS support must be enabled in the client library in order for the function to
have any effect.

NULL can be used for an unused parameter. Always returns zero.

Parameter
⊕ mysql - a mysql handle, which was previously allocated by **mysql_init(3)**.

⊕ key - path to the key file.

⊕ cert - path to the certificate file.

⊕ ca - path to the certificate authority file.

⊕ capath - path to the directory containing the trusted TLS CA certificates in PEM format.

⊕ cipher list of permitted (SSLv3, TLSv1.0 or TLSv1.2) cipher suites to use for TLS encryption.

Notes
⊕ **mysql_real_connect(3)** will return an error if attempting to connect and TLS is incorrectly set up.

⊕ Even if Connector/C supports TLSv1.3 protocol, it is not possible yet to specify TLSv1.3 cipher
suites via cipher parameter.

See also

- **mysql_get_ssl_cipher(3)**