1. Find movies from 2010 that either won at least 5 awards or belong to the Drama genre

```
MongoDB Query:
db.movies.find( {
    year: 2010,
    $or: [ { "awards.wins": { $gte: 5 } }, { genres: "Drama" } ]
})

SQL Equivalent:
SELECT *
FROM movies
WHERE year = 2010
AND (awards_wins >= 5 OR 'Drama' IN (SELECT genre FROM movie_genres WHERE movie_genres.movie_id = movies.id));

(Assumes a separate movie_genres table storing genres per movie.)
```

2. Find movies produced in Mexico with an IMDb rating of at least 7

MongoDB Query:

```
db.movies.find( { countries: "Mexico", "imdb.rating": { $gte: 7 } } )
```

SQL Equivalent:

```
SELECT *
FROM movies
WHERE 'Mexico' IN (SELECT country FROM movie_countries WHERE movie_countries.movie_id = movies.id)
AND imdb_rating >= 7;
```

(Assumes a separate movie_countries table storing country information.)

3. Get theater addresses in Massachusetts, formatted with specific fields

MongoDB Aggregation Query:

4. Count the number of theaters in each state and sort by state name

MongoDB Aggregation Query:

SQL Equivalent:

```
SELECT location_address_state AS state, COUNT(*) AS count FROM theaters
GROUP BY location_address_state
ORDER BY location_address_state ASC;
```

5. Find the longest movie and return its title and genres

MongoDB Aggregation Query:

SQL Equivalent:

SELECT title, genres FROM movies ORDER BY runtime DESC LIMIT 1;

6. Find movies released after 2010 with a viewer rating of at least 3, sorted by rating

MongoDB Aggregation Query:

SQL Equivalent:

```
SELECT title, tomatoes_viewer_rating AS viewer_rating FROM movies
WHERE year > 2010
AND tomatoes_viewer_rating >= 3
ORDER BY viewer_rating DESC;
```