pH Titration Curves

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For the pH Titration curves that follow (i) mark the equivalence point and give its pH.

(ii) select an indicator and indicate what colour it would be

(iii) read the pHat equivalence point and determine hydronium ion concentration

(iv) suggest a possible acid or bases identity.

|  |  |  |
| --- | --- | --- |
| 1. |  | (i) |
| (ii) |
| (iii) |
| (iv) |

|  |  |  |  |
| --- | --- | --- | --- |
| 2. |  | (i) | |
| (ii) | |
| (iii) | |
| (iv) | |
| 3. |  | | (i) |
| (ii) |
| (iii) |
| (iv) |

|  |  |  |
| --- | --- | --- |
| 4. |  | (i) |
| (ii) |
| (iii) |
| (iv) |

|  |  |  |
| --- | --- | --- |
| 5. |  | (i) |
| (ii) |
| (iii) |
| (iv) |

|  |  |  |
| --- | --- | --- |
| 6. |  | (i) |
| (ii) |
| (iii) |
| (iv) |