 Anti-derivative matching activity

1. From the following table, each entry contains a derivative statement in column 2 or a polynomial expression in column 4. Match the derivative statements to the polynomial expression. Each derivative statement has a matching pair and may have more than one match.

| **a** |  | **1** |  |
| --- | --- | --- | --- |
| **b** |  | **2** |  |
| **c** |  | **3** |  |
| **d** |  | **4** |  |
| **e** |  | **5** |  |
| **f** |  | **6** |  |
| **g** |  | **7** |  |
| **h** |  | **8** |  |

1. As above, match the polynomial statement to the derivative statement. Consider the polynomial expression in column 2 first and try to match. Remember, each derivative statement has a matching pair and may have more than one match.

| **a** |  | **1** |  |
| --- | --- | --- | --- |
| **b** |  | **2** |  |
| **c** |  | **3** |  |
| **d** |  | **4** |  |
| **e** |  | **5** |  |
| **f** |  | **6** |  |
| **g** |  | **7** |  |
| **h** |  | **8** |  |

1. Explain why, in some cases, more than one derivative statement matches with the same polynomial expression.