



## Identifying Polynomials

Name \_\_\_\_\_

Score \_\_\_\_\_

IP:03

Identify whether the given algebraic expression is polynomial or not.

1)  $a^{\frac{1}{2}}bc^7d^5$                       a) polynomial                      b) not a polynomial

2)  $n - \sqrt{8} + 10m^4$                       a) polynomial                      b) not a polynomial

3)  $3k^2 - k^4 + 5k^5 - k^{-1}$                       a) polynomial                      b) not a polynomial

4)  $x^3y^6z + yz^2 - 5$                       a) polynomial                      b) not a polynomial

5)  $\sqrt{s} - t + 12 - st$                       a) polynomial                      b) not a polynomial

6)  $z^2 - 1$                       a) polynomial                      b) not a polynomial

7)  $\frac{4}{d} + cd - 7$                       a) polynomial                      b) not a polynomial

8)  $11h$                       a) polynomial                      b) not a polynomial



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## Answer key

IP:03

Identify whether the given algebraic expression is polynomial or not.

- |                                 |                          |                                |
|---------------------------------|--------------------------|--------------------------------|
| 1) $a^{\frac{1}{2}}bc^7d^5$     | a) polynomial            | <del>b) not a polynomial</del> |
| 2) $n - \sqrt{8} + 10m^4$       | <del>a) polynomial</del> | b) not a polynomial            |
| 3) $3k^2 - k^4 + 5k^5 - k^{-1}$ | a) polynomial            | <del>b) not a polynomial</del> |
| 4) $x^3y^6z + yz^2 - 5$         | <del>a) polynomial</del> | b) not a polynomial            |
| 5) $\sqrt{s} - t + 12 - st$     | a) polynomial            | <del>b) not a polynomial</del> |
| 6) $z^2 - 1$                    | <del>a) polynomial</del> | b) not a polynomial            |
| 7) $\frac{4}{d} + cd - 7$       | a) polynomial            | <del>b) not a polynomial</del> |
| 8) $11h$                        | <del>a) polynomial</del> | b) not a polynomial            |