# *Identifying Polynomials*

Identify whether the given algebraic expression is polynomial or not.

1) $3 + u^3vw^5 + \sqrt{8}$    a)   polynomial    b)   not a polynomial

2) $\dfrac{5}{n} - mn$    a)   polynomial    b)   not a polynomial

3) $g^2h + 3 - g^4$    a)   polynomial    b)   not a polynomial

4) $3st^7u^{-2}$    a)   polynomial    b)   not a polynomial

5) $x + 9$    a)   polynomial    b)   not a polynomial

6) $7 + y^3 + 8y^2 - 6y - 2y^4$    a)   polynomial    b)   not a polynomial

7) $1 + \sqrt{a} - b$    a)   polynomial    b)   not a polynomial

8) $z^{\frac{1}{2}}$    a)   polynomial    b)   not a polynomial

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## Answer key

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