

Identifying Functions | Equations

A) State whether each equation represents a function.

1) $y^2 = 3 + 9x^4$

2) $7y^3 = 3x + 2$

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B) 1) Which of the following equations does not represent a function?

a) $4 + 3x = y^7$

b) $-3y^3 = -2 + 7x$

c) $y^5 = x - 12$

d) $\frac{2x^4 + 15}{4} = y^4$

2) Which of the following equations represents a function?

a) $2x + 7y^6 = -6$

b) $\frac{y^2}{7} = x^4$

c) $6y^9 = 12 + 6x$

d) $9 + 12y^8 = x^6$