NAME:_____

A2.A.38: Determine when a relation is a function

1. 010211b, P.I. A2.A.38
Which relation is a function?

[A] $x = y^2 + 1$ [B] $x^2 + y^2 = 16$

[C] $y = \sin x$ [D] $x = 4$

2. 060805b, P.I. A2.A.38
Which relation is a function?

[A] $2x^2 + 6y^2 = 1$ [B] $y^2 = x^2 + 3x - 4$

[C] $x^2 + y^2 = 16$ [D] $y = x^2 + 3x - 4$

3. 060213b, P.I. A2.A.38
Which equation represents a function?

[A] $x^2 + y^2 = 4$ [B] $y = x^2 - 3x - 4$

[C] $4y^2 = 36 - 9x^2$ [D] $x = y^2 - 6x + 8$

4. 060511b, P.I. A2.A.38
Which relation is a function?

[A] $x^2 + y^2 = 7$ [B] $x = 7$

[C] $x^2 - y^2 = 7$ [D] $xy = 7$

5. 080101b, P.I. A2.A.38
Which relation is *not* a function?

[A] $y = 2x + 4$ [B] $x = 3y - 2$

[C] $x = y^2 + 2x - 3$ [D] $y = x^2 - 4x + 3$

6. 080605b, P.I. A2.A.38
Which equation does *not* represent a function?

[A] $y = 4$ [B] $y = |x|$

[C] $y = x^2 + 5x$ [D] $x = \pi$

7. 080812b, P.I. A2.A.38
Which equation is *not* a function?

[A] $x^2 = 16 - y^2$ [B] $y = \sin x$

[C] $y = 3x^2 - 4$ [D] $y = \sec x$

A2.A.38: Determine when a relation is a function

[1] C

[2] D

[3] B

[4] D

[5] C

[6] D

[7] A