

$$1 \quad f(x) = 1^w(x) + 1 = 1^w \quad 1^w f(x) = 1^w 9 \quad -1$$

$$2 \quad f(-1) = 2$$

$$3 \quad f(x) = 1^w(x) + 1 = 1^w \quad \frac{1^w 9 - 2}{1^w} = 8$$

$$4 \quad f(x) = 1^w(x) + 1 = 1^w \quad f(x) = 1^w(x) + 1 = 1^w \quad -1$$

$$5 \quad f(x) = 1^w(x) + 1 = 1^w$$

$$6 \quad 1^w + 2\sqrt{1^w}$$

$$7 \quad \frac{1^w + 2\sqrt{1^w}}{1^w + 2\sqrt{1^w} - 1 + 9} = \frac{1^w + 2\sqrt{1^w} - 1 + 9}{1^w + 2\sqrt{1^w} - 1 + 9} = \frac{1^w}{1^w} = 1$$

$$8 \quad 1^w + 2\sqrt{1^w}$$

$$9 \quad \frac{(1^w)^2 + 1}{(1^w)^2} = \frac{1^w + 1}{1^w} = 1$$

$$10 \quad \frac{(1^w)^2 + 1}{(1^w)^2} = \frac{1^w + 1}{1^w} = 1$$

2021/1

Subject : _____

Date: _____

$$y = \sqrt{a + f(x)} \quad a \geq 0 \quad [-\infty, 0]$$

$$\frac{-ax}{2} \geq 0 \quad (-x, 0) - \{0\} = \{x, y, z, -1, -x\}$$

$$f(x) = \frac{1}{2} \ln \left(\frac{x+1}{x-1} \right)$$

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$$f(-x) = \frac{1}{2} \ln \left(\frac{-x+1}{-x-1} \right) = \frac{1}{2} \ln \left(\frac{1-x}{-1-x} \right)$$

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