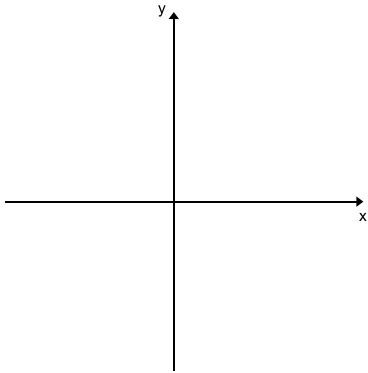


Name _____ BOY Pre-Calculus Diagnostic 2019-2020 Hour _____ Date _____

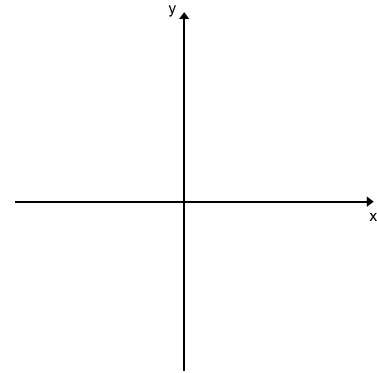
This assignment is designed to determine how well you can quickly make a sketch of each of the graphs

Directions: NO GRAPHING calculators or programs allowed. Label exact intercepts and important points. Label any asymptotes. Each graph must have at least two coordinates labelled with their EXACT coordinates

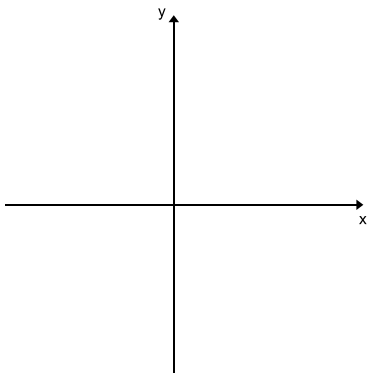
Graph 1
 $y = 9$



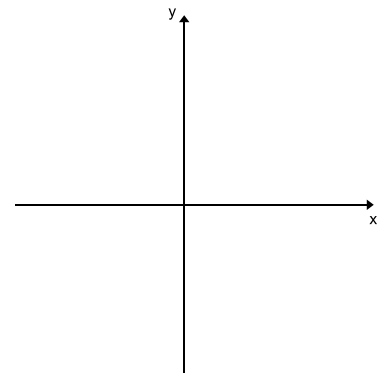
Graph 2
 $x = -2$



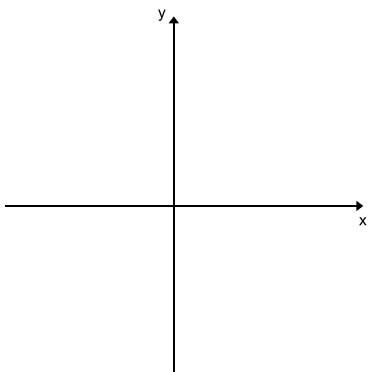
Graph 3
 $y = \frac{3}{5}x - 6$



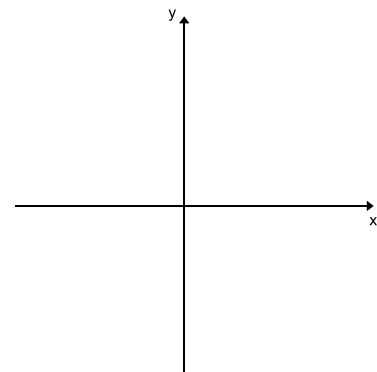
Graph 4
 $y = \frac{-5}{3}x + 10$



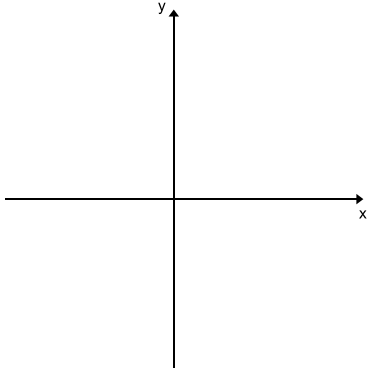
Graph 5
 $2x + 4y = -8$



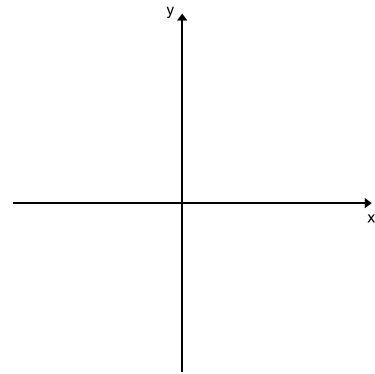
Graph 6
 $y = -2(x - 5) + 1$



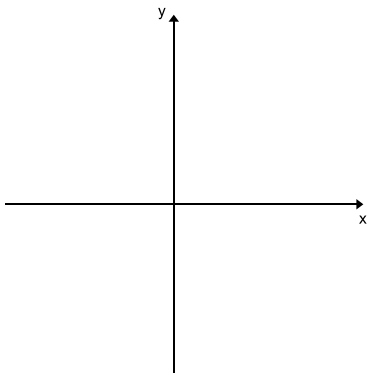
Graph 7
 $y = 2(x-10)(x+2)$



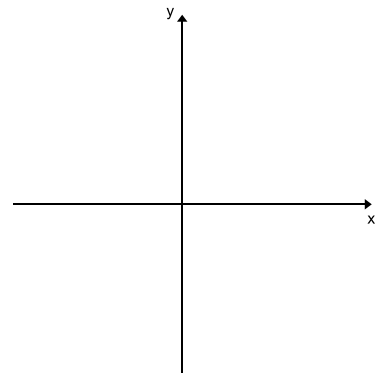
Graph 8
 $y = \frac{-2}{5}x^2 + 10x$



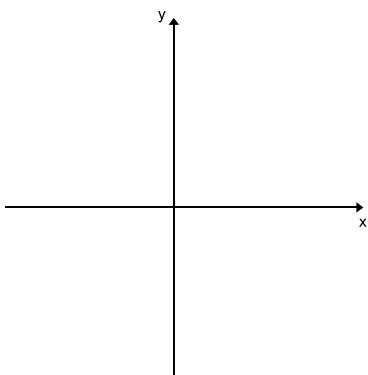
Graph 9
 $y = x^2 - 6x - 16$



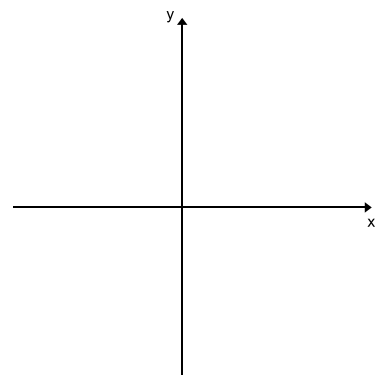
Graph 10
 $y = 4x^2 - 100$



Graph 11
 $y = -x^2 + 6x - 9$

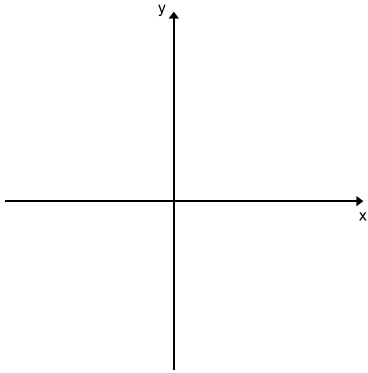


Graph 12
 $y = -2(x-5)^2 + 1$



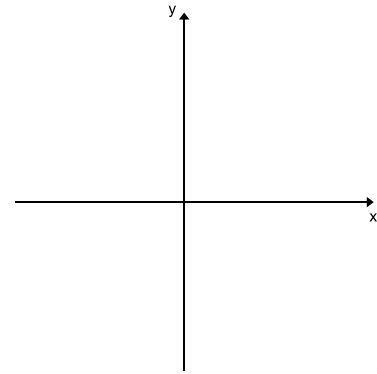
Graph 13

$$y = 5^x + 2$$



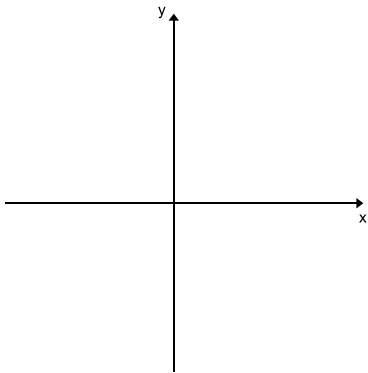
Graph 14

$$y = \left(\frac{2}{3}\right)^x - 4$$



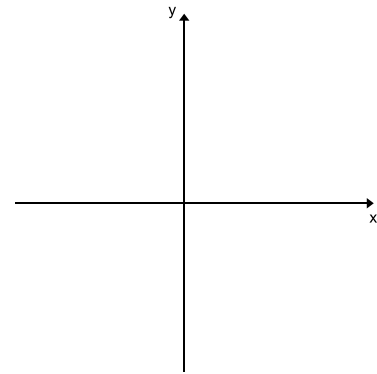
Graph 15

$$y = \left(\frac{3}{2}\right)^x - 4$$



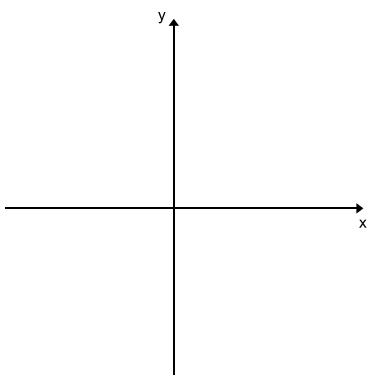
Graph 16

$$y = -3 \cdot 6^x + 1$$



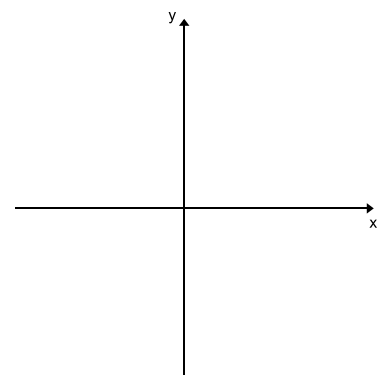
Graph 17

$$y = 10e^x + 15$$



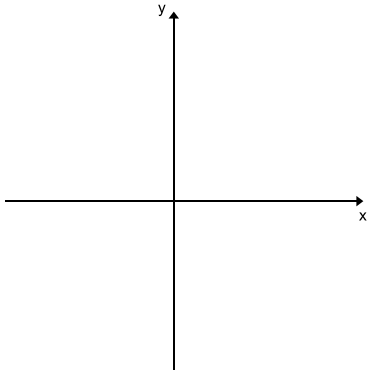
Graph 18

$$y = -2e^{0.1x} + 5$$



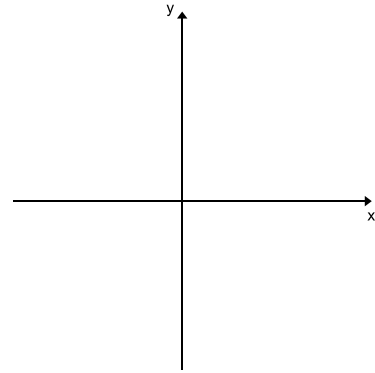
Graph 19

$$y = 6 + \log_5 x$$



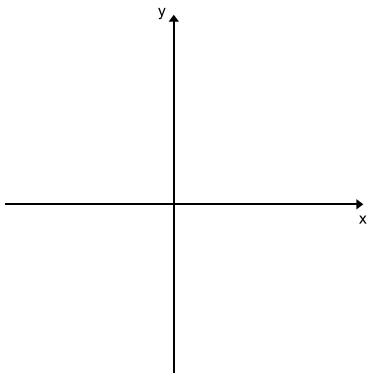
Graph 20

$$y = -6 - 2\log_4 x$$



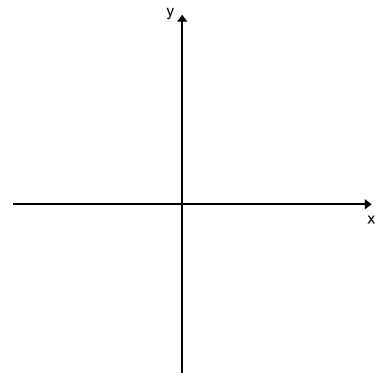
Graph 21

$$y = -\log_8(x - 2)$$



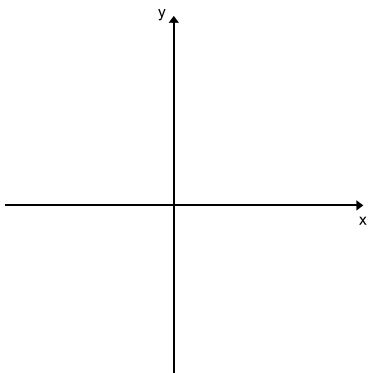
Graph 22

$$y = 2\log(5x - 20)$$



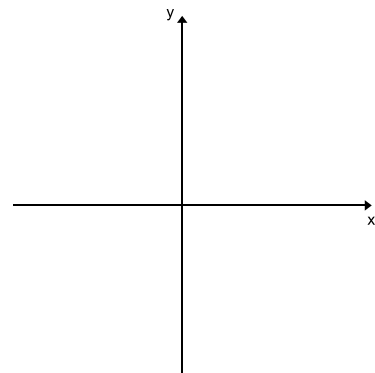
Graph 23

$$y = 16 + 10\ln x$$

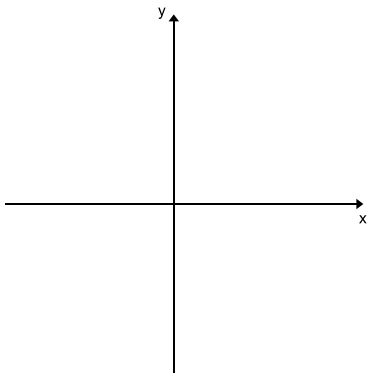


Graph 24

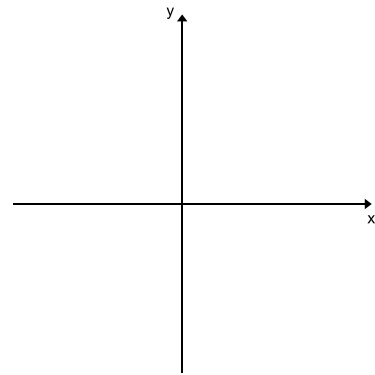
$$y = 5\ln(2x - 4)$$



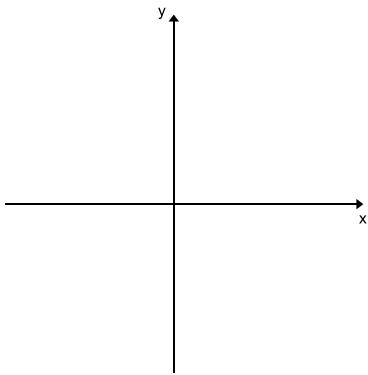
Graph 25
 $y = \sqrt{2x+6}$



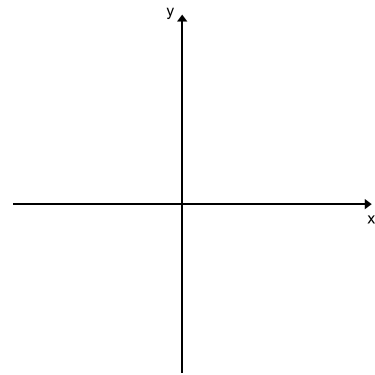
Graph 26
 $y = -\sqrt{2x+6}$



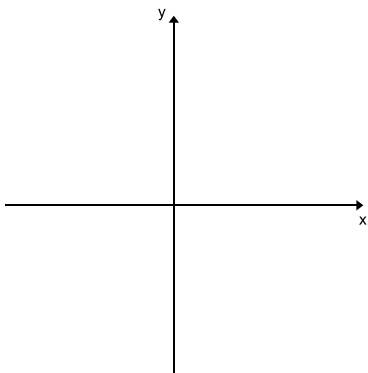
Graph 27
 $y = \sqrt{x^2-4}$



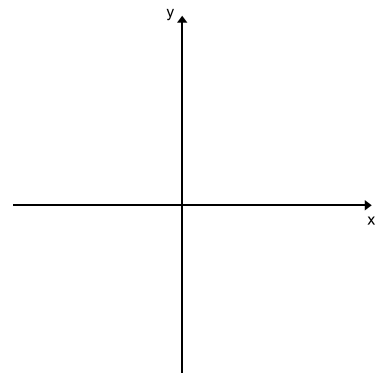
Graph 28
 $y = -2\sqrt{x^2-4x-32}$



Graph 29
 $y = \sqrt{-2x}$

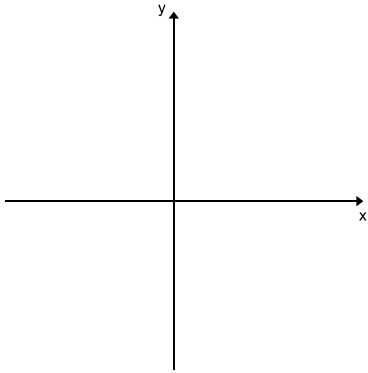


Graph 30
 $y = 2 - 3\sqrt{-4x}$



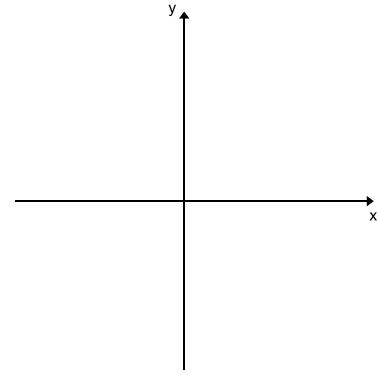
Graph 31

$$y = \sqrt[3]{2x+16}$$



Graph 32

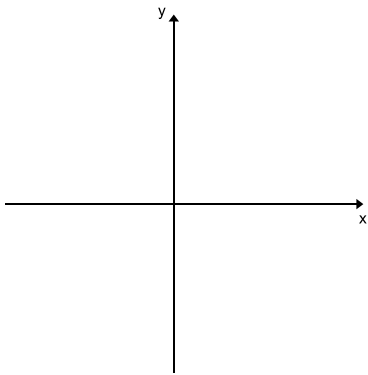
$$y = 6 + \sqrt[3]{x-1}$$



Graph 33

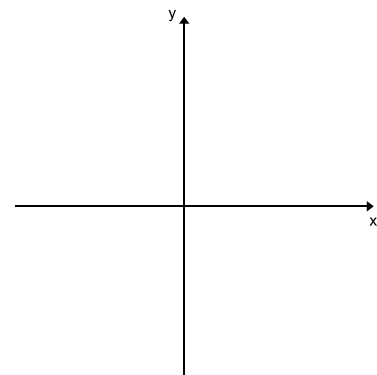
$$(x-2)^2 + (y-5)^2 = 4$$

Label center and 4 extreme points



Graph 34

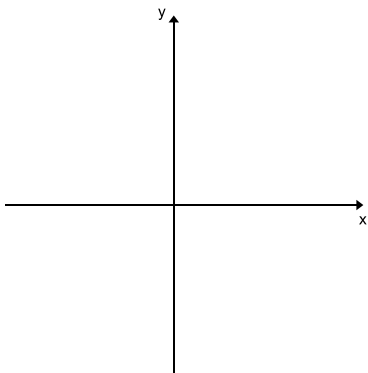
$$x = 2y^2 - 4$$



Graph 35

$$(x+2)^2 + y^2 = 16$$

Label center and 4 extreme points



Graph 36

$$x = -y^2 - 4y + 12$$

