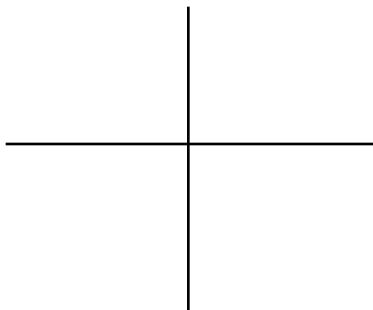


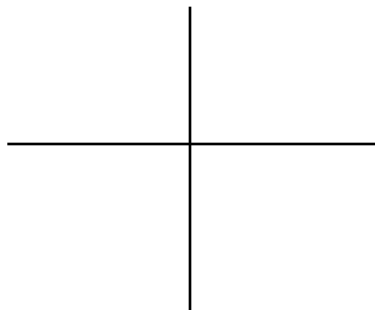
Section 6 – 2: Graphs of Basic Functions

Graph each function. Show the required point.

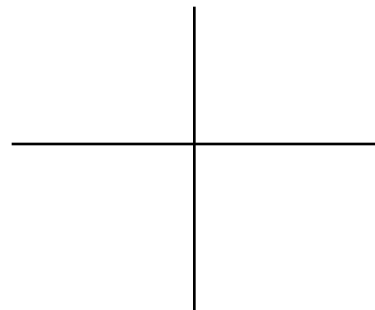
1) $y = x^2$



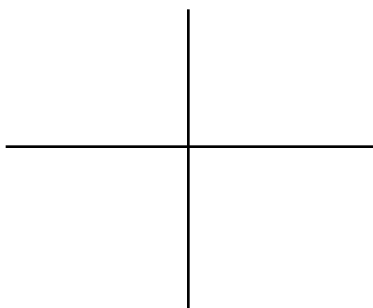
2) $y = x^2 + 1$



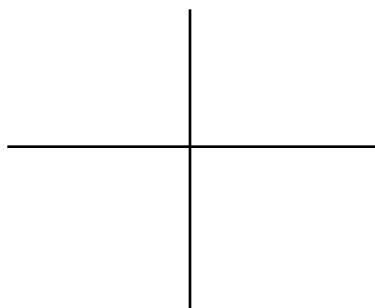
3) $y = x^2 - 2$



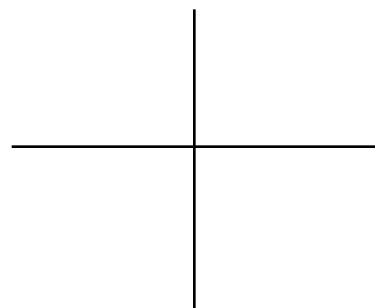
4) $y = (x + 3)^2$



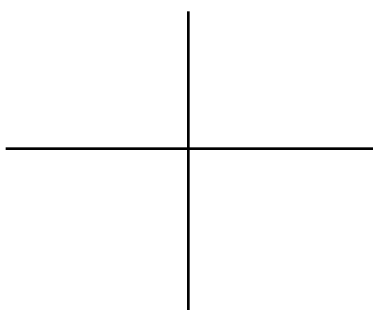
5) $y = (x - 2)^2$



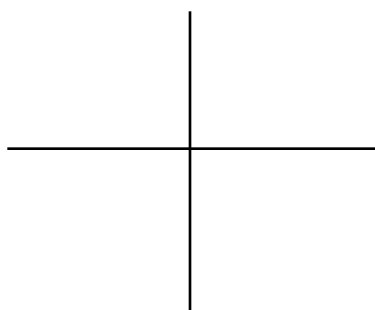
6) $y = (-x)^2$



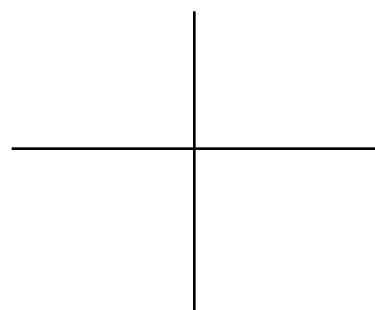
7) $y = -(x)^2$



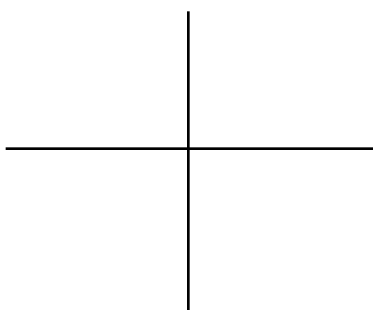
8) $y = -(-x)^2$



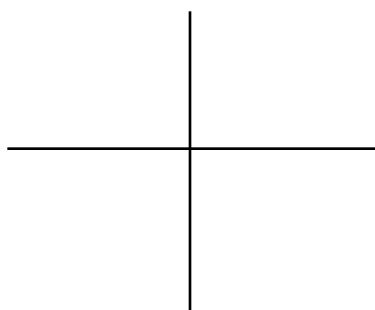
9) $y = (x - 1)^2 + 3$



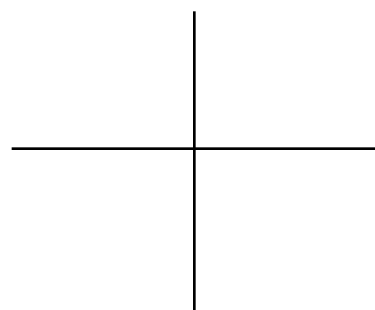
10) $y = (x + 4)^2 - 2$



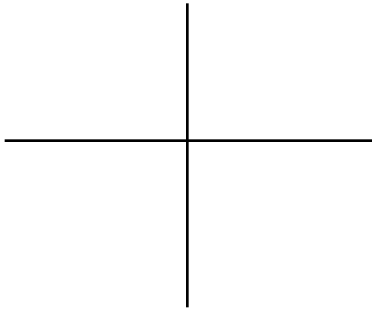
11) $y = (x - 1)^2 - 3$



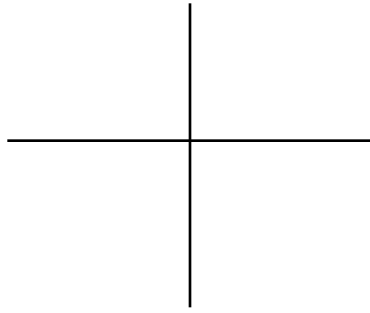
12) $y = (x + 3)^2 + 5$



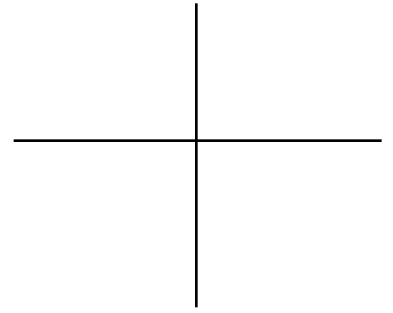
13) $y = |x|$



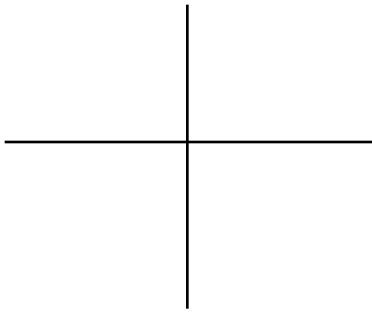
14) $y = |x + 2|$



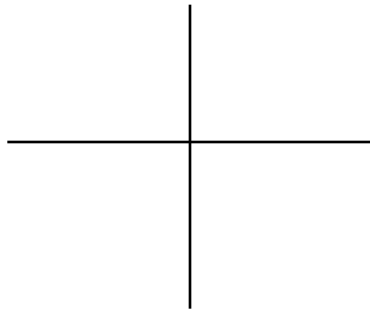
15) $y = |x| + 4$



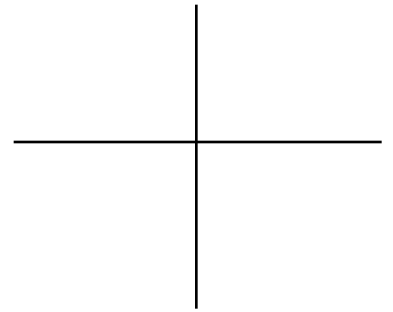
16) $y = |x| - 3$



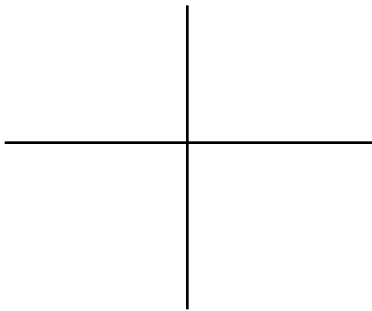
17) $y = |x - 5|$



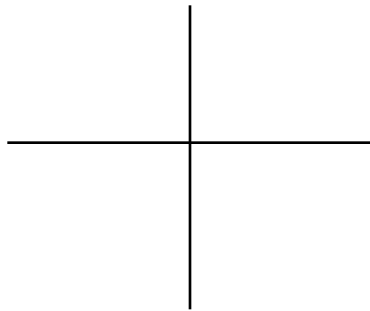
18) $y = -|x|$



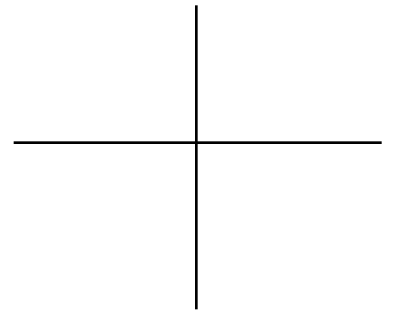
19) $y = |-x|$



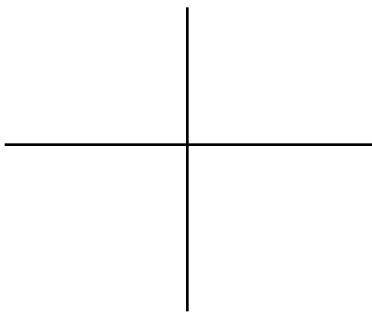
20) $y = -|-x|$



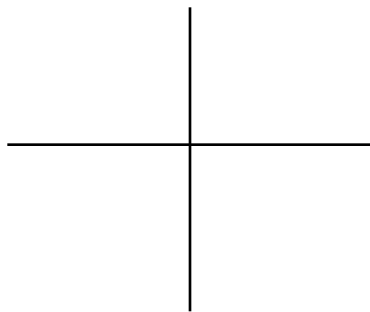
21) $y = |x + 2| + 3$



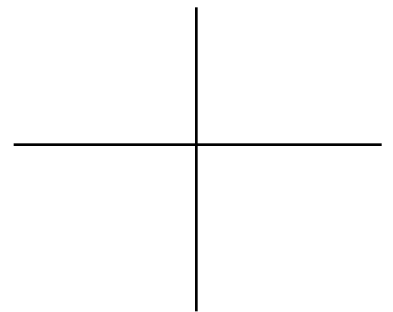
22) $y = |x - 4| - 1$



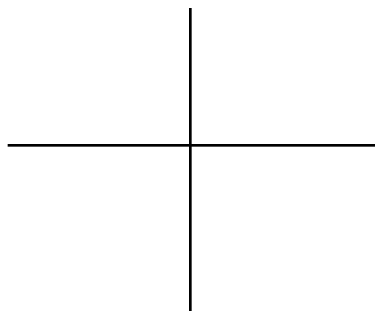
23) $y = |x + 1| - 4$



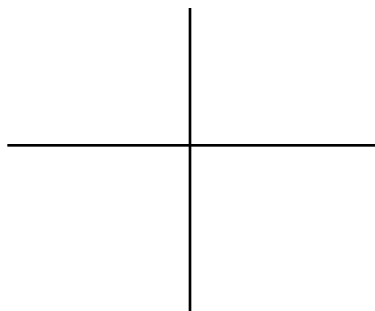
24) $y = |x - 3| + 5$



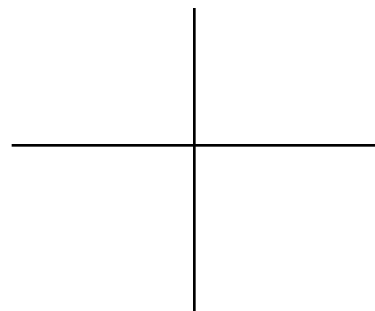
25) $y = \sqrt{x}$



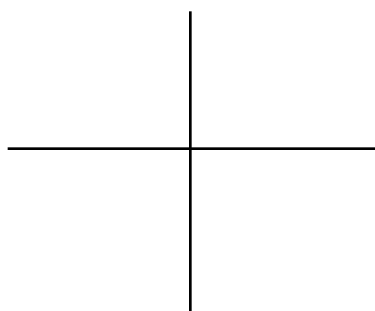
26) $y = \sqrt{x+5}$



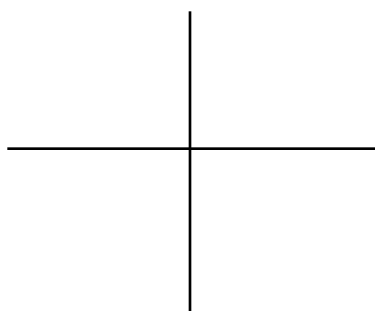
27) $y = \sqrt{x} + 4$



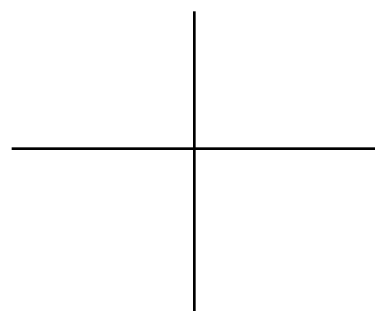
28) $y = \sqrt{x-3}$



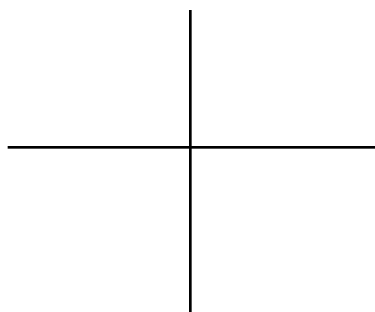
29) $y = \sqrt{x} - 1$



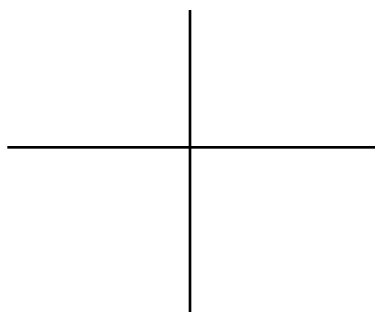
30) $y = \sqrt{-x}$



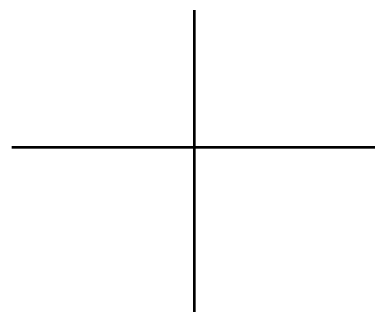
31) $y = -\sqrt{x}$



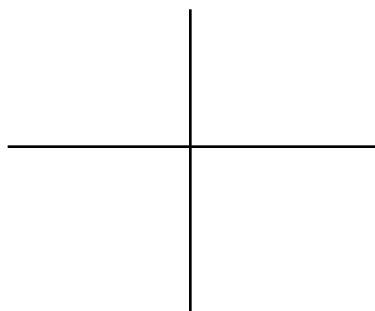
32) $y = -\sqrt{-x}$



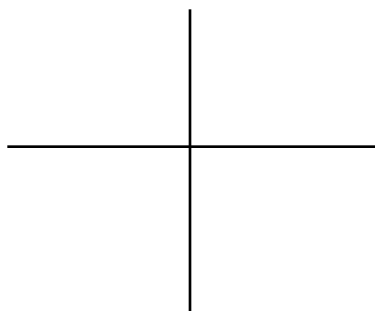
33) $y = \sqrt{x+2} - 1$



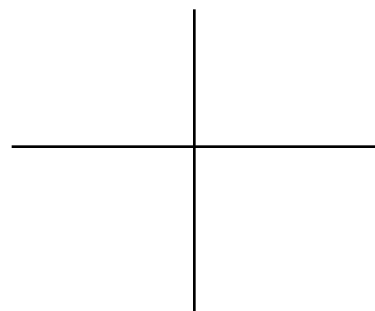
34) $y = \sqrt{x-3} + 4$



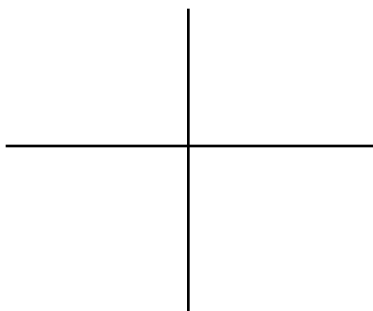
35) $y = \sqrt{x-5} - 2$



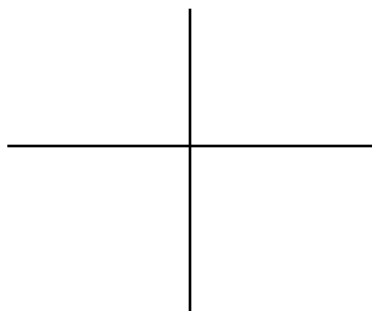
36) $y = \sqrt{x+6} + 1$



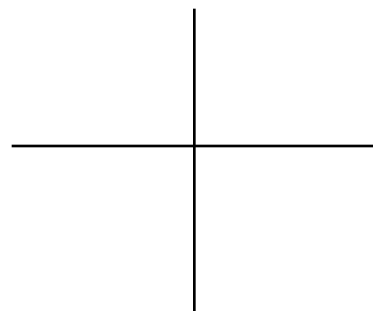
37) $y = \sqrt[3]{x}$



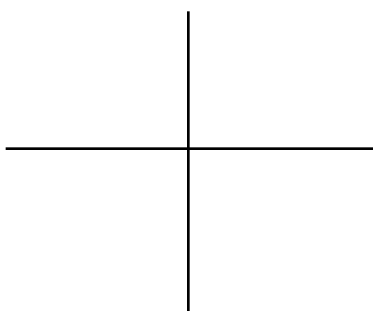
38) $y = \sqrt[3]{x-2}$



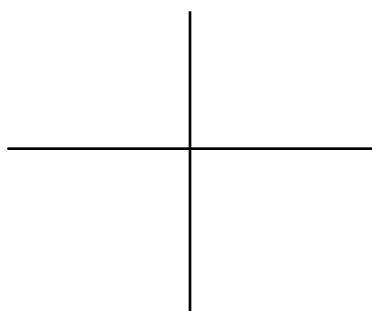
39) $y = \sqrt[3]{x} - 5$



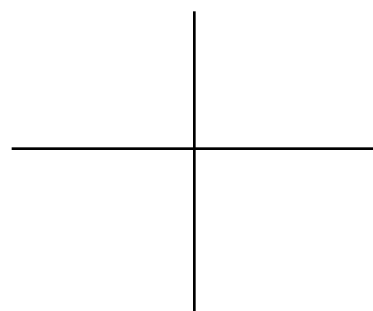
40) $y = \sqrt[3]{x+1}$



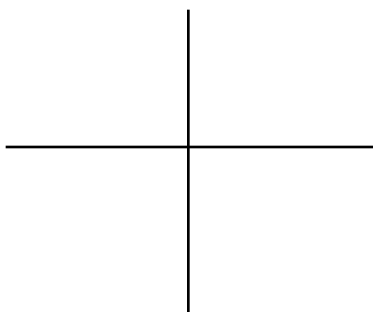
41) $y = \sqrt[3]{x} + 7$



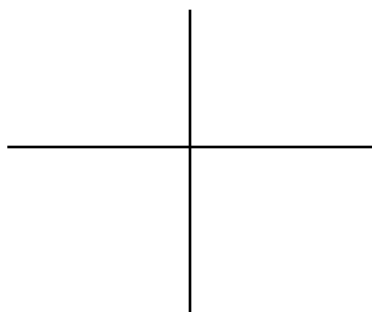
42) $y = \sqrt[3]{-x}$



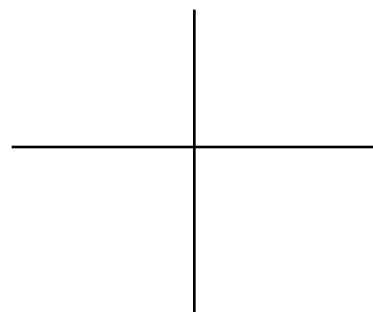
43) $y = -\sqrt[3]{x}$



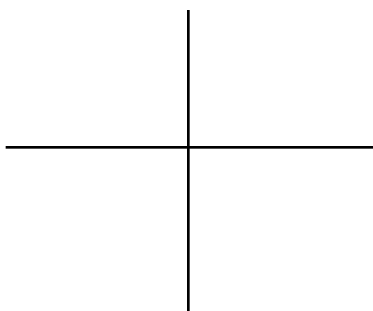
44) $y = -\sqrt[3]{-x}$



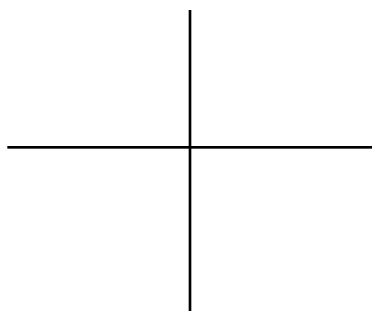
45) $y = \sqrt[3]{x-2} + 7$



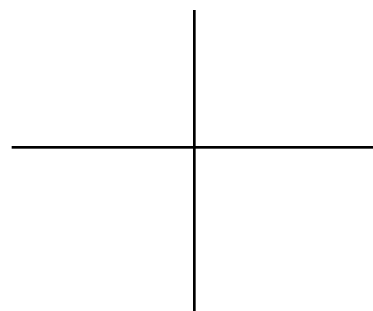
46) $y = \sqrt[3]{x+1} + 3$



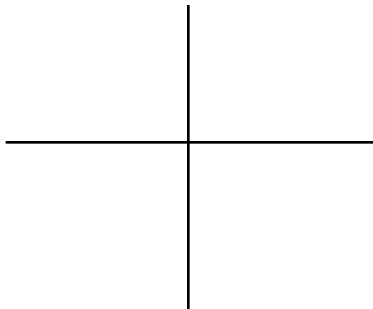
47) $y = \sqrt[3]{x+2} - 35$



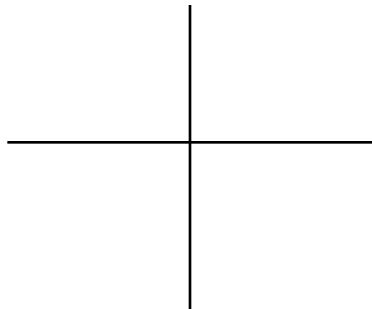
48) $y = \sqrt[3]{x-5} - 4$



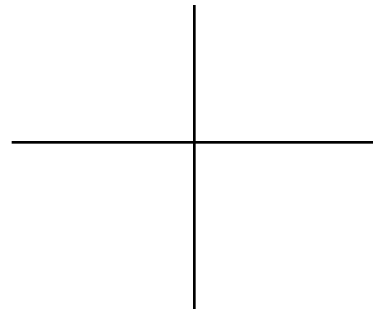
49) $y = x^3$



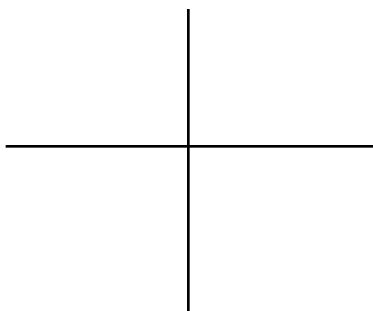
50) $y = (x - 4)^3$



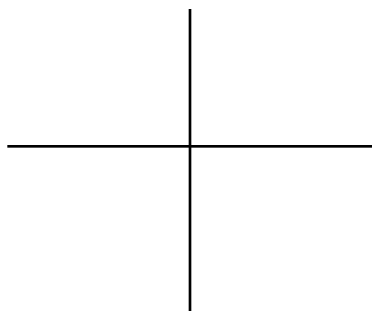
51) $y = (x)^3 + 2$



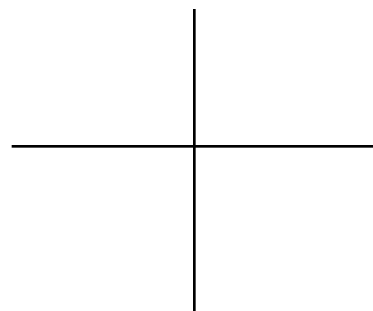
52) $y = (x + 1)^3$



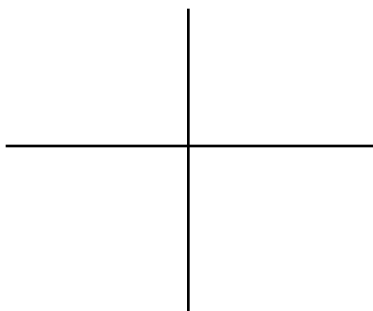
53) $y = (x)^3 - 5$



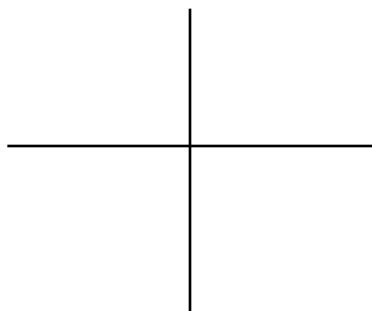
54) $y = -(x)^3$



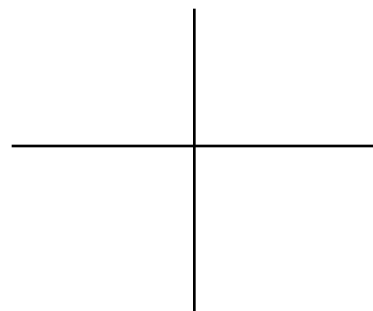
55) $y = (-x)^3$



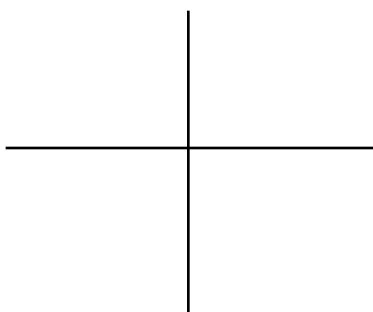
56) $y = -(-x)^3$



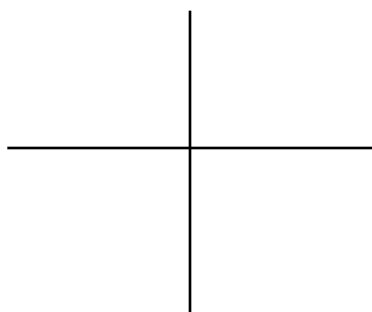
57) $y = (x - 2)^3 - 4$



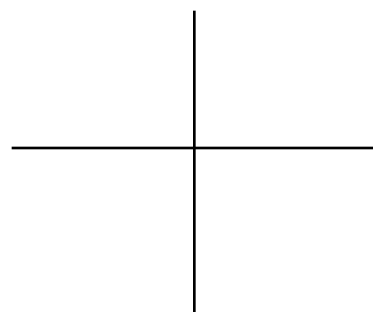
58) $y = (x + 1)^3 + 5$



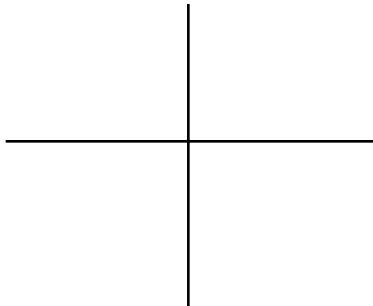
59) $y = (x - 4)^3 + 3$



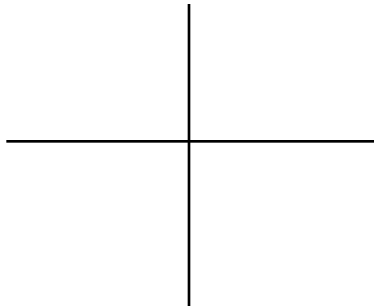
60) $y = (x + 5)^3 - 1$



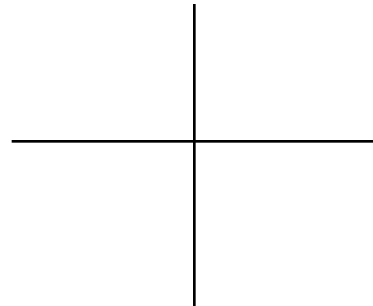
61) $y = \frac{1}{x}$



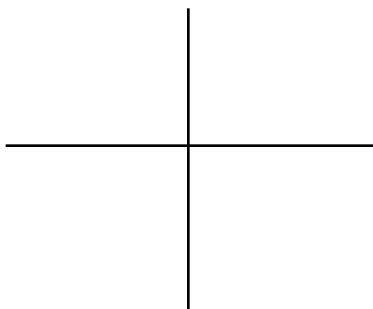
62) $y = \frac{4}{x}$



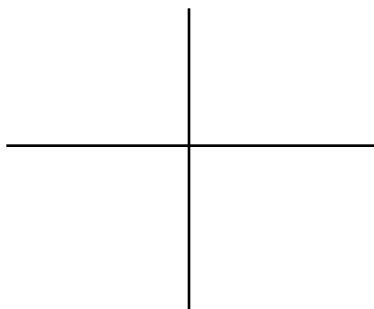
63) $y = \frac{1}{x-2}$



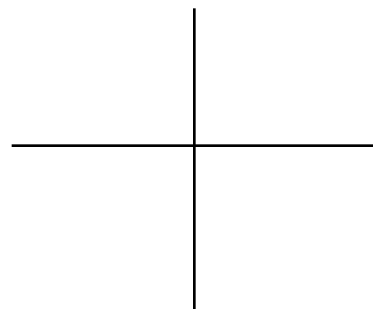
64) $y = \frac{1}{x} - 3$



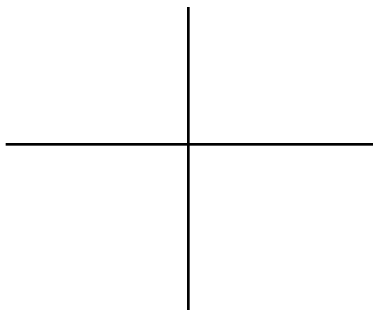
65) $y = \frac{3}{x+4}$



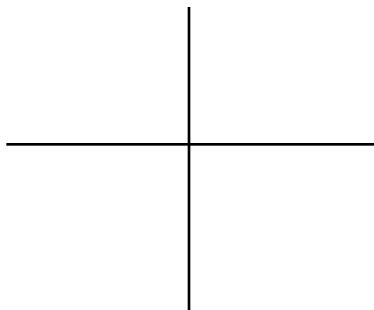
66) $y = \frac{2}{x} + 1$



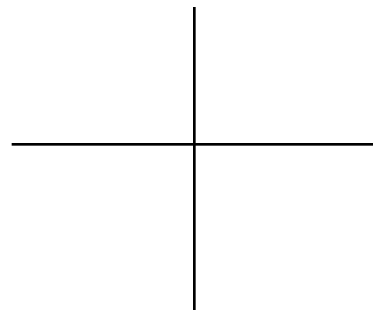
67) $y = \frac{1}{-x}$



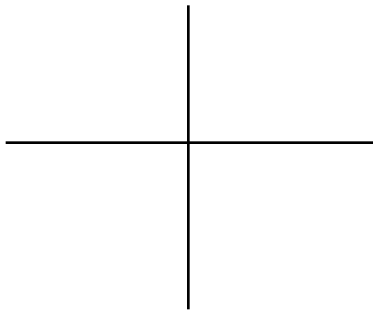
68) $y = \frac{-3}{x}$



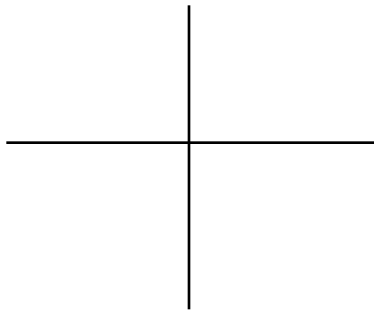
69) $y = \frac{3}{x-4} + 1$



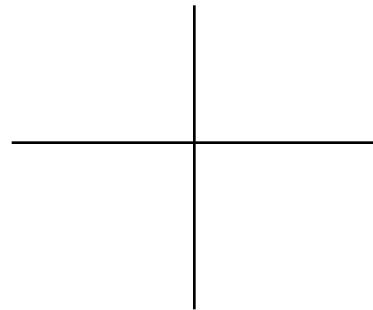
70) $y = \frac{1}{x-4} - 3$



71) $y = \frac{2}{x+1} - 2$

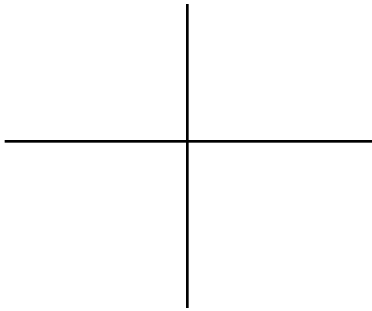


72) $y = \frac{1}{x+2} - 3$

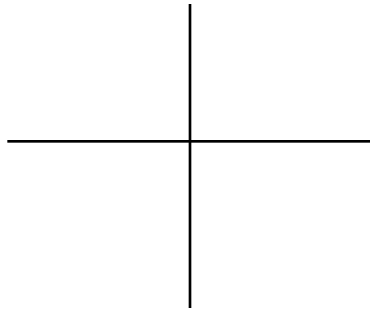


Mixed Review.

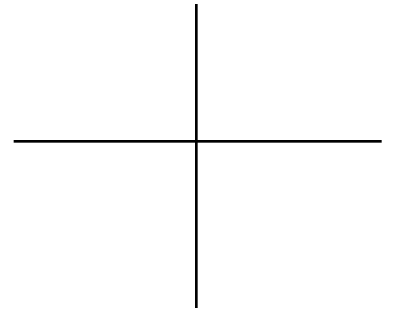
73) $y = \sqrt{x+3}$



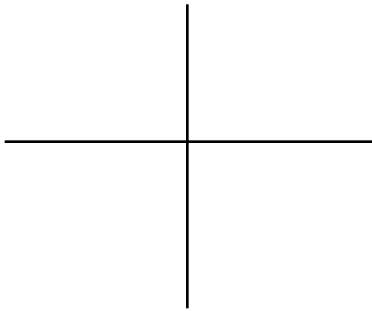
74) $y = x^2 + 1$



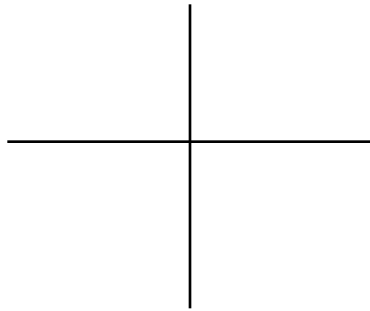
75) $y = (x-4)^3$



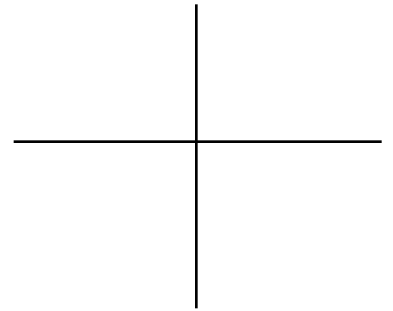
76) $y = \frac{1}{x}$



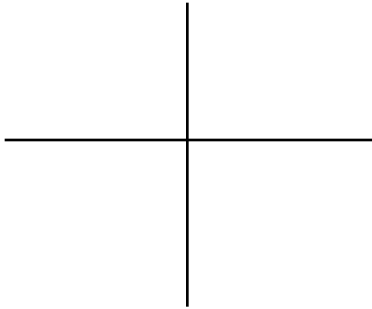
77) $y = |x+2|$



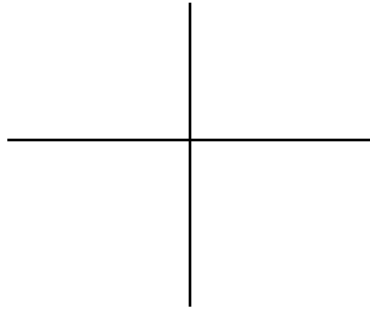
78) $y = \sqrt[3]{x} - 4$



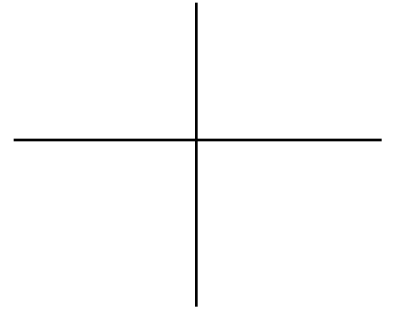
79) $y = -\sqrt{-x}$



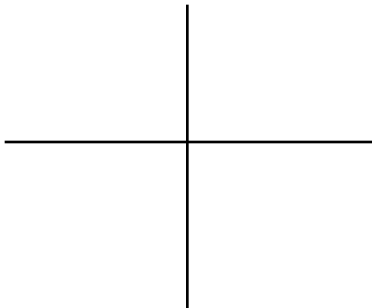
80) $y = \sqrt{x} + 2$



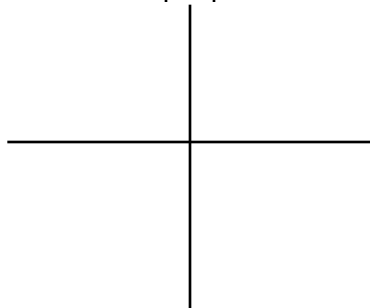
81) $y = |x+2| + 3$



82) $y = (x+1)^2 - 3$



83) $y = -|x|$



84) $y = (x-2)^3 - 1$

