

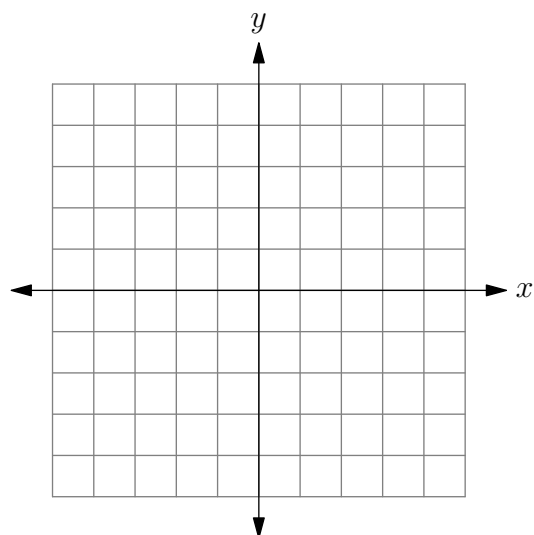
Quiz 6B: Graphs and geometry

MATH 1110, FALL 2017

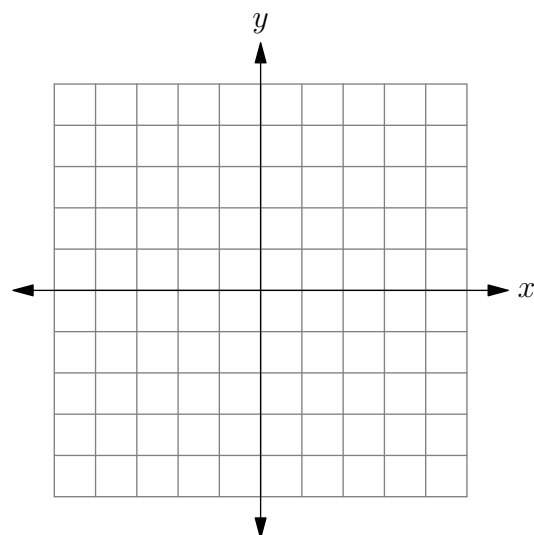
NAME:

Graph each of the functions. Your graph should show the correct shape and the coordinates of the two or three points that are easy to find.

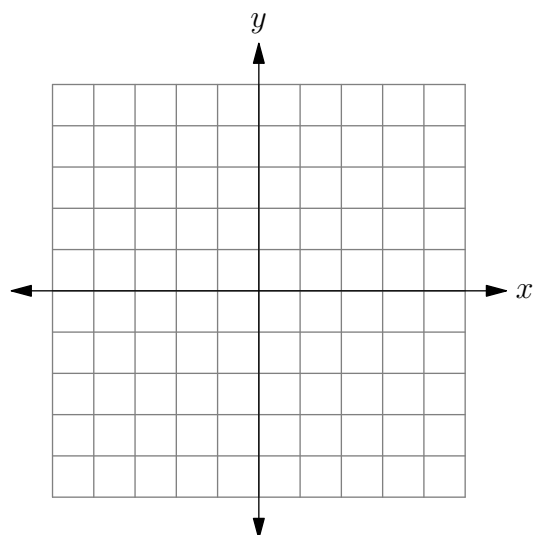
1. $f(x) = x^5$



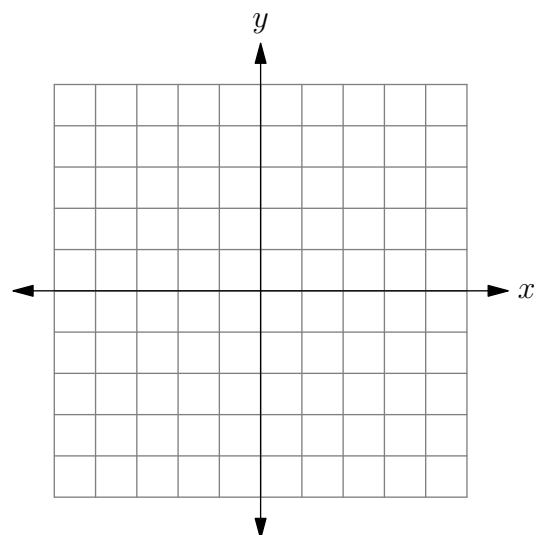
2. $f(x) = (x - 3)^5$



3. $f(x) = x^{1/2}$



4. (5 points) $f(x) = -x^{1/2} + 2$



5. (4 points) A radio tower with a height of 150 meters will be secured to the ground by a guy wire. The distance from the base of the tower to the point where the wire meets the ground is x meters. Find a function that gives the length of the wire ℓ in terms of x .

