

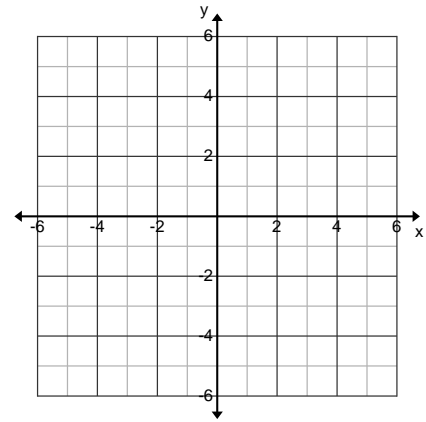


Name _____ Date _____ Period _____

GRAPHING POLYNOMIALS WORKSHEET #2

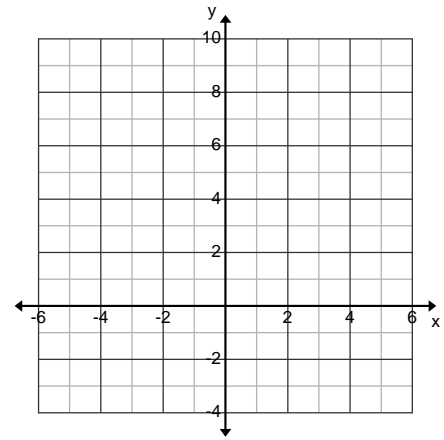
1) $f(x) = -x^2(x+1)$

- a) Find the zeros and their multiplicities.
- b) Find the y-intercept.
- c) Describe the end behavior.
- d) What other points are required to draw the graph accurately?



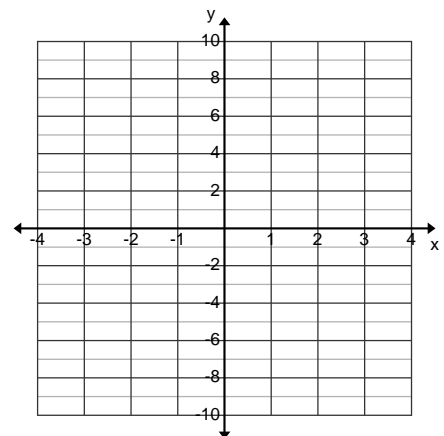
2) $f(x) = (x-1)^2(x+2)^2$

- a) Find the zeros and their multiplicities.
- b) Find the y-intercept.
- c) Describe the end behavior.
- d) What other points are required to draw the graph accurately?



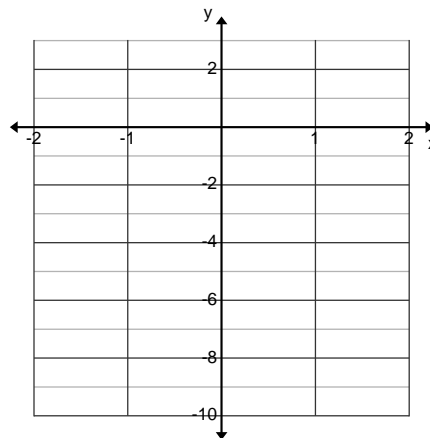
3) $f(x) = x(4x-3)(3x+2)$

- a) Find the zeros and their multiplicities.
- b) Find the y-intercept.
- c) Describe the end behavior.
- d) What other points are required to draw the graph accurately?



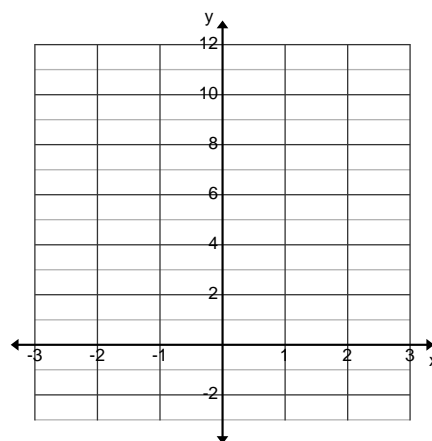
4) $f(x) = -(2x+1)(2x-1)$

- a) Find the zeros and their multiplicities.
- b) Find the y-intercept.
- c) Describe the end behavior.
- d) What other points are required to draw the graph accurately?



5) $f(x) = x(x+1)^3(x-2)^2$

- a) Find the zeros and their multiplicities.
- b) Find the y-intercept.
- c) Describe the end behavior.
- d) What other points are required to draw the graph accurately?



6) $f(x) = x^3 + 2x^2 - 8x$

- a) Find the zeros and their multiplicities.
- b) Find the y-intercept.
- c) Describe the end behavior.
- d) What other points are required to draw the graph accurately?

