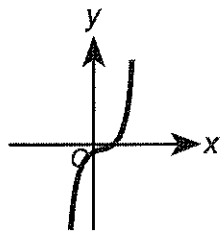
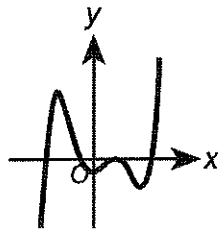


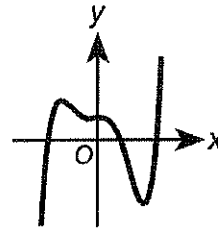
Ms. Phillips explained to her class that polynomial functions of degree 5 with real coefficients always have 5 roots. She showed her students the following 3 graphs of polynomial functions of degree 5.



Graph 1



Graph 2



Graph 3

- A. State how many distinct real roots there are for each graphed polynomial. Use evidence from the graphs to explain your answer.
- B. Each of the graphed polynomials has a different number of real roots. State how many real and complex roots each graphed polynomial has. Use evidence from the graphs to explain your answer.