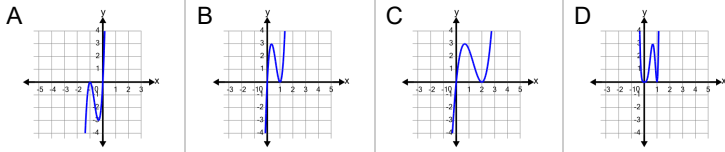


Function Root Behaviour (Polynomials) - Roots and Multiplicity to Graph

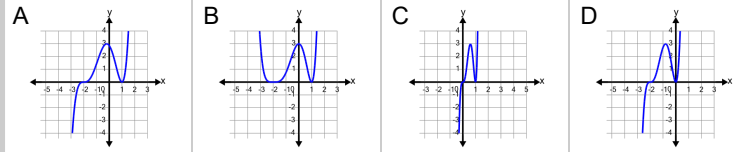
1 Which graph shows these roots and multiplicities?

$$x = 0 \text{ (multiplicity 1)}$$
$$x = 1 \text{ (multiplicity 2)}$$



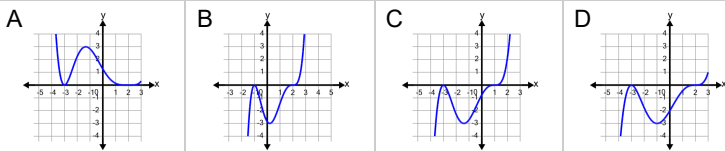
2 Which graph shows these roots and multiplicities?

$$x = -2 \text{ (multiplicity 3)}$$
$$x = 1 \text{ (multiplicity 2)}$$



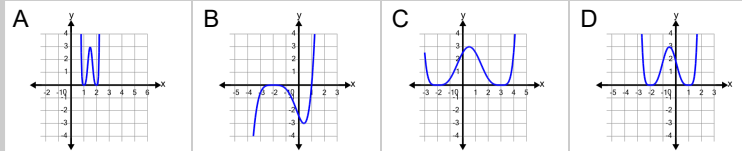
3 Which graph shows these roots and multiplicities?

$$x = -3 \text{ (multiplicity 2)}$$
$$x = 2 \text{ (multiplicity 3)}$$



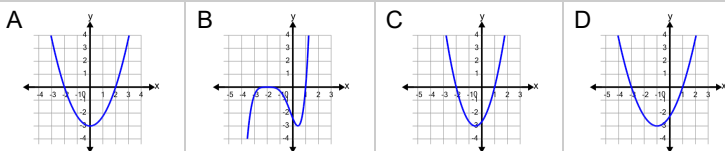
4 Which graph shows these roots and multiplicities?

$$x = -2 \text{ (multiplicity 4)}$$
$$x = 1 \text{ (multiplicity 4)}$$



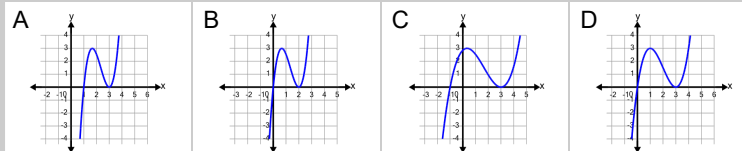
5 Which graph shows these roots and multiplicities?

$$x = -2 \text{ (multiplicity 1)}$$
$$x = 1 \text{ (multiplicity 1)}$$



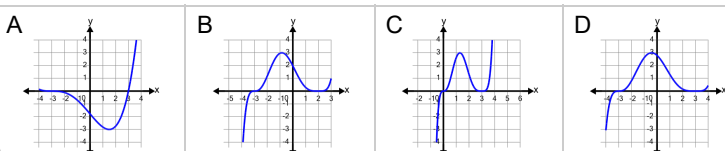
6 Which graph shows these roots and multiplicities?

$$x = 0 \text{ (multiplicity 1)}$$
$$x = 3 \text{ (multiplicity 2)}$$



7 Which graph shows these roots and multiplicities?

$$x = -3 \text{ (multiplicity 3)}$$
$$x = 3 \text{ (multiplicity 4)}$$



8 Which graph shows these roots and multiplicities?

$$x = -1 \text{ (multiplicity 1)}$$
$$x = 0 \text{ (multiplicity 3)}$$

