Which is the strongest base? Explain briefly.

$$H_2N$$
 $CH_3$ 
 $H_2N$ 
 $NO_2$ 
 $CH_3$ 
 $CH_3$ 

- A) Y is the strongest base because Y is destabilized by the EWG.
- B) Y is the strongest base because its conj. acid is stabilized by  $NO_2$ .
- C) Z is the strongest base because it has the least stable conj. acid.
- D) Z is the strongest base because the lone pair on N is localized.
- E) It's impossible to predict base strength without  $pK_a/pK_b$  data.