

# Exercises

E.9.38 [\[OPP\]](#) Topics: closure. Prerequisites: [\[OPG\]](#), [\[OP6\]](#). *(Replaces OPN)*

Show that if  $B \subseteq A \subseteq X$  then  $\overline{B} \subseteq \overline{A}$ ; using the above definitions, or by switching to complement set and using [\[OPG\]](#).