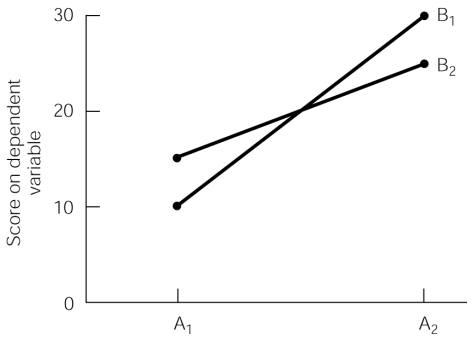
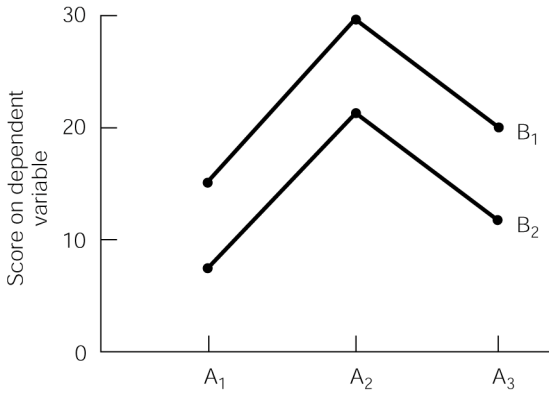
Problems

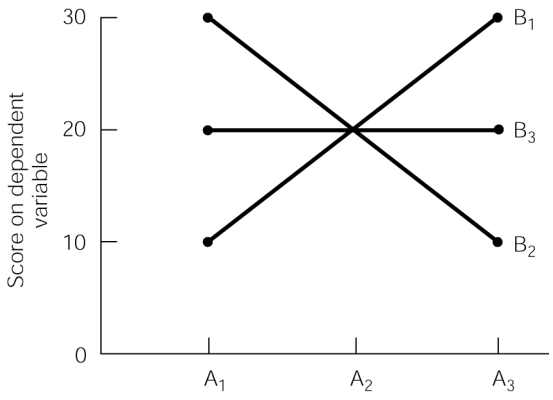
1. **a.** factor A, significant; factor B, nonsignificant; interaction, significant



b. factor A, significant; factor B, significant; interaction, nonsignificant



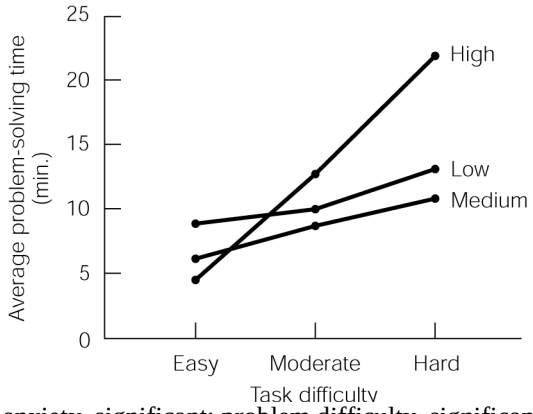
c. factor A, nonsignificant; factor B, nonsignificant; interaction, significant



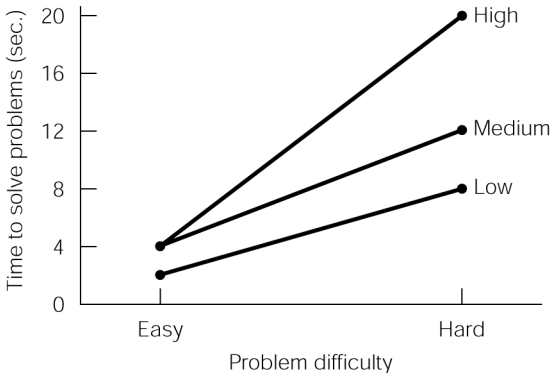
2. **a**. handedness main effect, significant; illumination main effect, significant; interaction, nonsignificant

b. handedness main effect, significant; illumination main effect, nonsignificant; interaction, significant
c. handedness main effect, nonsignificant; illumination main effect, nonsignificant; interaction, significant

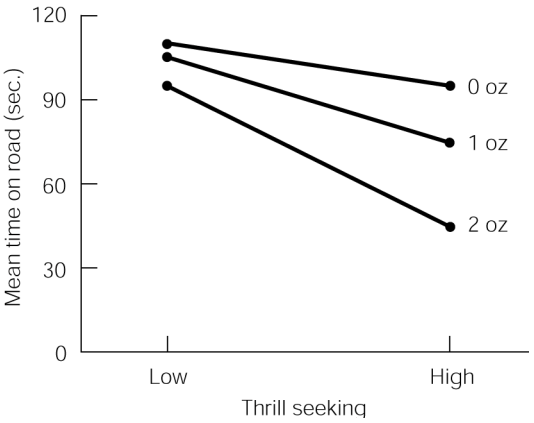
3. task difficulty, significant; anxiety level, significant; interaction, significant



4. anxiety, significant; problem difficulty, significant; interaction, significant



5. thrill seeking, significant; alcohol level, significant; interaction, significant



6. **a.** The handedness main effect was significant ($p < .05$); dextrals spent more time on target than sinistrals. The illumination main effect was significant ($p < .05$); performance improved with higher illumination levels. The interaction was not significant.

b. The handedness main effect was significant ($p < .05$); dextrals did better than sinistrals overall. The illumination main effect was not significant ($p > .05$). The handedness/illumination interaction was significant ($p < .01$); dextrals outperformed sinistrals at high and low levels of illumination but did worse at medium levels.

c. Neither main effect was significant ($p > .05$). The interaction effect was significant ($p < .01$); sinistrals improved as light levels increased, whereas dextrals got worse under the same conditions.