

## Applying Intersection and Union

The five highest-grossing domestic films (adjusted for inflation) as of July, 2005, are listed in the table.

FIVE ALL-TIME HIGHEST-GROSSING DOMESTIC FILMS

Film	Admissions	Gross Income
<i>Gone with the Wind</i>	202,044,569	\$1,293,085,000
<i>Star Wars</i>	178,119,595	\$1,139,965,000
<i>The Sound of Music</i>	142,415,376	\$911,458,000
<i>E.T.</i>	141,925,359	\$908,322,298
<i>The Ten Commandments</i>	131,000,000	\$838,400,000

Source: Exhibitor Relations Co., Inc.



List the elements of the following sets.

- (a) The set of the top five films with admissions greater than 180,000,000 *and* gross income greater than \$1,000,000,000
- (b) The set of the top five films with admissions less than 170,000,000 *or* gross income greater than \$1,000,000,000