3.2 Properties of Parallel Lines   YOU NEED A PROTRACTOR!!
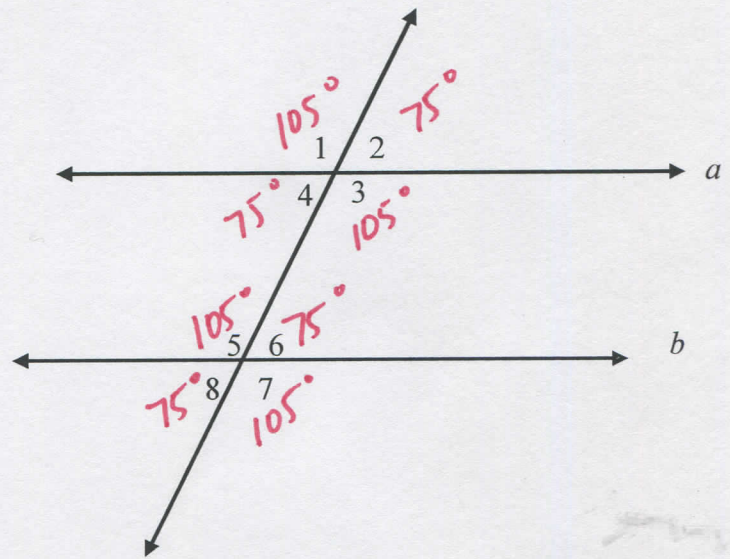
Use a protractor to find each angle measure.

$127°$ 1 / 2 $53°$
$53°$ 4 / 3 $127°$

$105°$ 5 / 6 $75°$
$75°$ 8 / 7 $105°$

a

b

Use a protractor to find each angle measure.

$105°$ 1 / 2 $75°$
$75°$ 4 / 3 $105°$

$105°$ 5 / 6 $75°$
$75°$ 8 / 7 $105°$

a

b
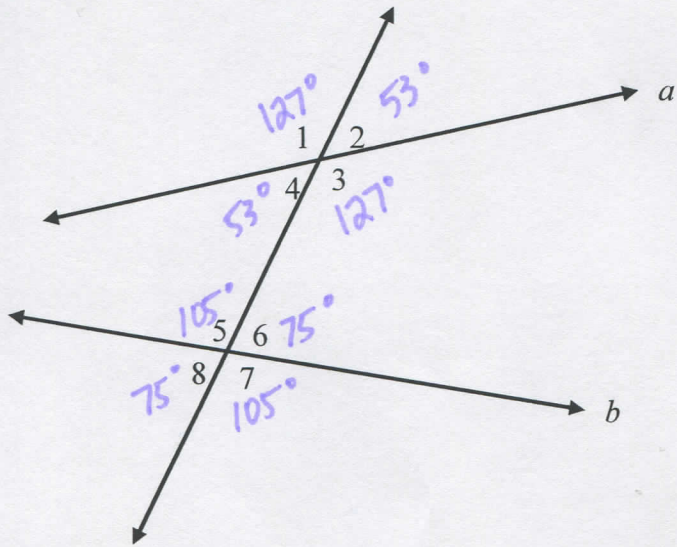
Describe any relationship that you see.

vertical ∡'s
linear pair

Describe any relationship that you see.

intersectors are
related!

Theorems & Postulates that you discovered:

- If two lines are parallel, then **corresponding angles** are ___≅___.
- If two lines are parallel, then **alternate interior angles** are ___≅___.
- If two lines are parallel, then **alternate exterior angles** are ___≅___.
- If two lines are parallel, then **consecutive interior angles** are _Supplementary._
  SSIA   SSEA