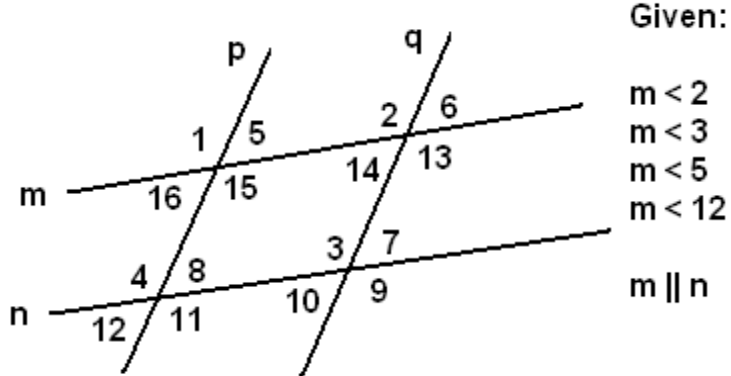


CP Geometry
Working with Transversals

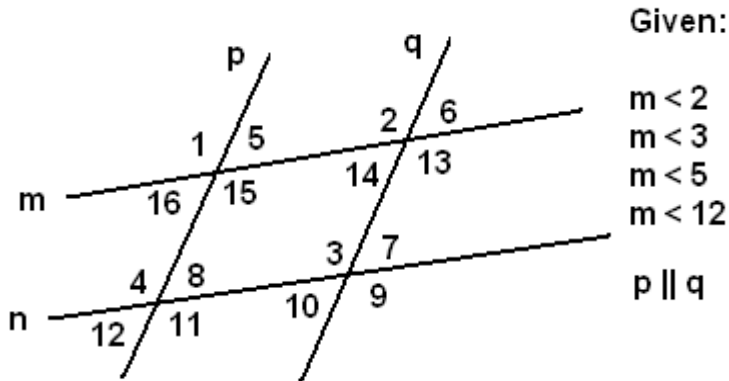
Name: _____

Given the picture and indicated angle numbers, create two valid equations you could use if you were going to set up a system of equations to solve for two variables.

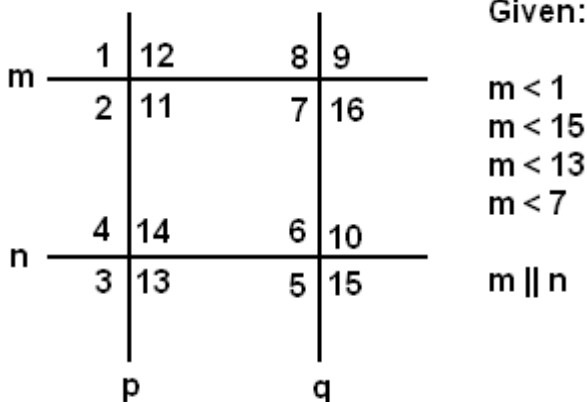
1.)



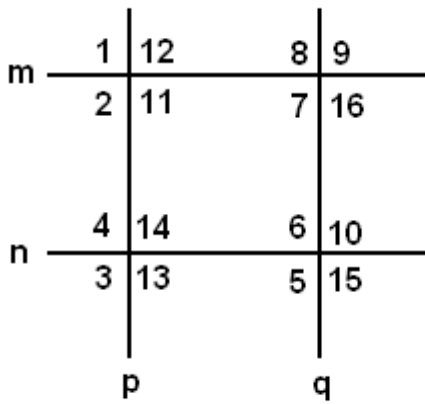
2.)



3.)



4.)

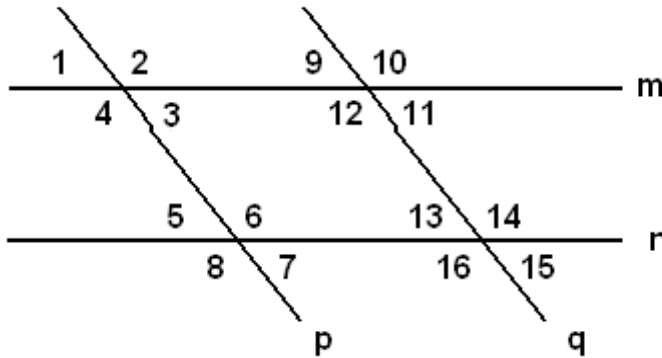


Given:

- $m \perp 8$
- $m \perp 3$
- $m \perp 6$
- $m \perp 11$

$p \parallel q$

5.)



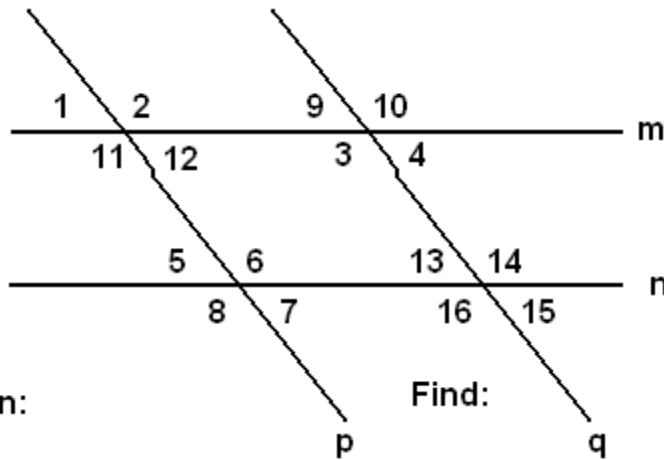
Given

- $m \perp 2$
- $m \perp 5$
- $m \perp 13$
- $m \perp 9$

$p \parallel q$

6.)

SOLVE



Given:

- $m \perp 1 = 5x - 22y$
- $m \perp 8 = 3y - 45x + 24$
- $m \perp 9 = 5x - 8y + 54$
- $m \perp 14 = 10y - 60x + 24$

$m \parallel n$

Find:

- $x =$
- $y =$
- $m \perp 16 =$
- $m \perp 5 =$