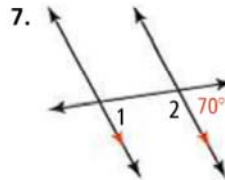
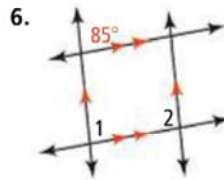
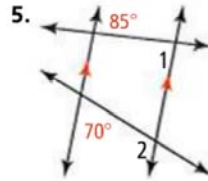
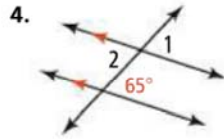


Homework: p. 211: 1-7 all, 14-22 all

Find the measure of the third angle of a triangle given the measures of two angles.

- 57 and 101
- 72 and 72
- x and 20

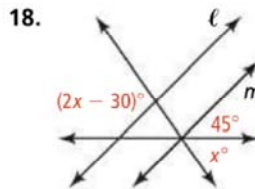
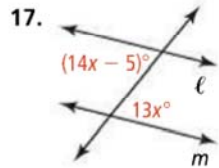
Find $m\angle 1$ and $m\angle 2$. Justify each answer.



Use the given information to write an equation of each line.

- slope -5 , y -intercept -2
- slope $\frac{1}{2}$, passes through $(4, -1)$
- passes through $(1, 5)$ and $(3, 11)$

Algebra Find the value of x for which $\ell \parallel m$.



Graph each pair of lines. Tell whether they are *parallel*, *perpendicular*, or *neither*.

- $y = 4x + 7$ and $y = -\frac{1}{4}x - 3$
- $y = 3x - 4$ and $y = 3x + 1$
- $y = x + 5$ and $y = -5x - 1$

22. Developing Proof Provide the reason for each step.

Given: $\ell \parallel m$, $\angle 2 \cong \angle 4$

Prove: $n \parallel p$

Statements	Reasons
1) $\ell \parallel m$	1) a. ?
2) $\angle 1 \cong \angle 2$	2) b. ?
3) $\angle 2 \cong \angle 4$	3) c. ?
4) $\angle 1 \cong \angle 4$	4) d. ?
5) $n \parallel p$	5) e. ?

