Name: _____ Kobrin/Losquadro January 22, 2018 Math 8

Solving for Congruent Angles - Homework

1) In the diagram below, two parallel lines are cut by a transversal.





2) In the diagram below, two parallel lines are cut by a transversal.



What is the value of x?

3) In the diagram below, two parallel lines are cut by a transversal.



What is the value of x?

Questions 4 through 6 refer to the following:

Given the figure below where $a \parallel b$.



4) Find the m $\angle 5$ if m $\angle 7 = 123^{\circ}$.

5) Find the m $\angle 4$ if m $\angle 2 = 145^{\circ}$.

6) Find the m $\angle 1$ if m $\angle 6 = 36^{\circ}$.

- 1) 23
- 2) 2
- 3) 35
- 4) 123°
- 5) 145°
- 6) 36°