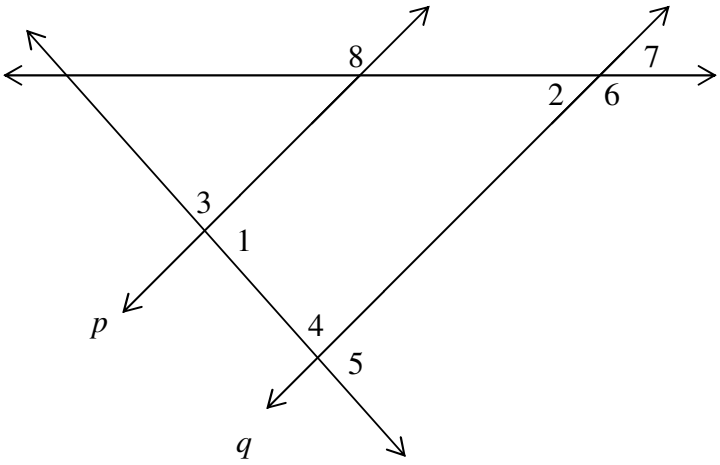
Name_____Per._____Date_____
Geometry Ch. 3 practice test

In the figure at the right, $p \parallel q$, $m\angle 1 = 98$ and $m\angle 2 = 40$. Find the measures of the following angles.



1. $\angle 3$

2. $\angle 4$

3. $\angle 5$

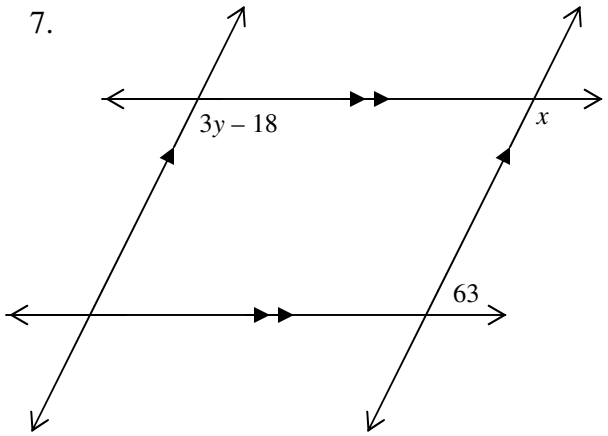
4. $\angle 6$

5. $\angle 7$

6. $\angle 8$

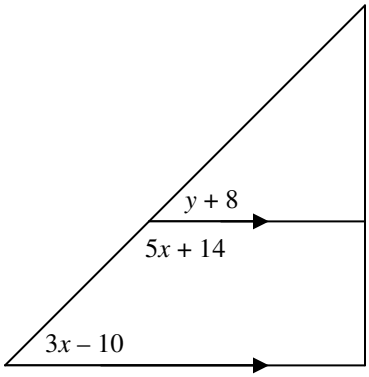
Find the values of x and y in each figure.

7.



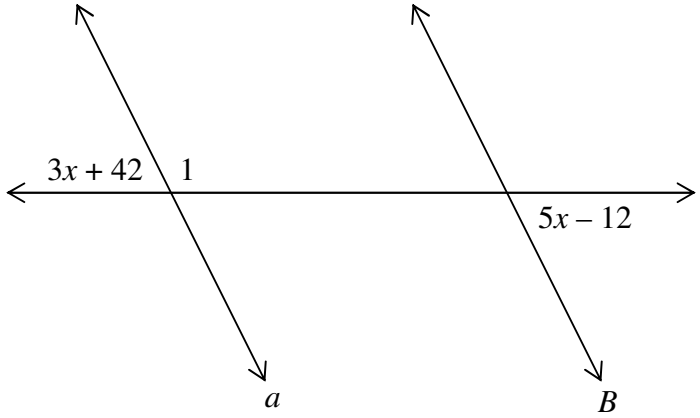
Find the values of x and y in each figure.

8.



Given $a \parallel b$, find x and $m\angle 1$

9.



Find the slope of the line passing through the given points. Find the equation of the line in slope-intercept form.

10. C(–2, –4) ; D(6, 10)

11. J(6, –4) ; K(0, 4)

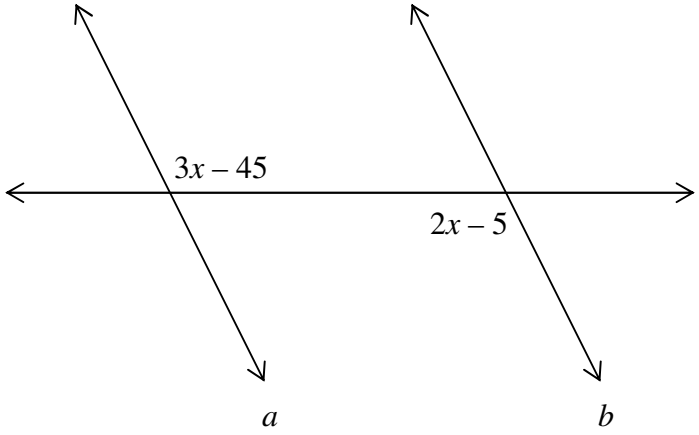
Given lines AB and CD: (1) calculate the slope of each line. Then, (2) tell whether the lines are parallel, perpendicular or neither.

12. A(5, 5) ; B(4, 6)
C(4, –3) ; D(6, 1)

13. A(–4, 9) ; B(–2, 3)
C(–4, 1) ; D(–7, 0)

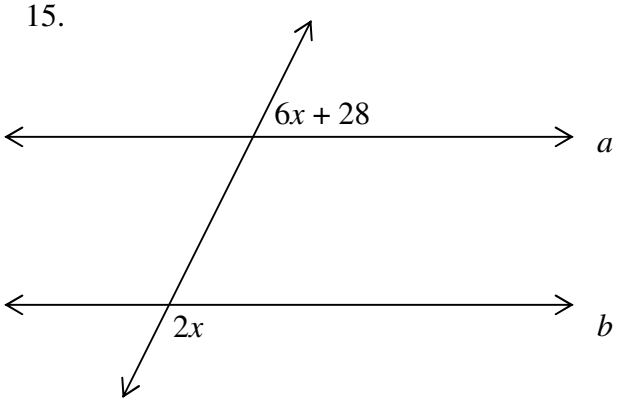
Find the value of x so that $a \parallel b$.

14.



Find the value of x so that $a \parallel b$.

15.



16. Find the equation of the line in SLOPE-INTERCEPT form that contains the point $(-2,-3)$ and is $\perp$ to the line with the equation $4x+3y=12$.

17. Graph the line the passes through $A(-5,3)$ and is parallel to the line with $B(-1,4)$ and $C(1,-5)$.