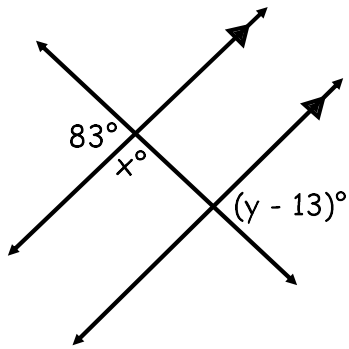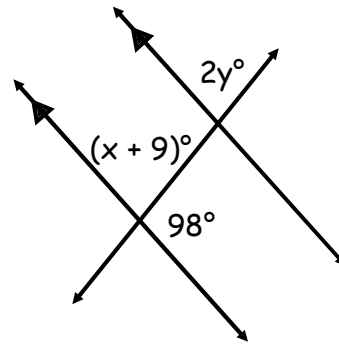Skills Practice Day 3

Name the relationship you would use to solve for variable(s). Then solve for each variable.
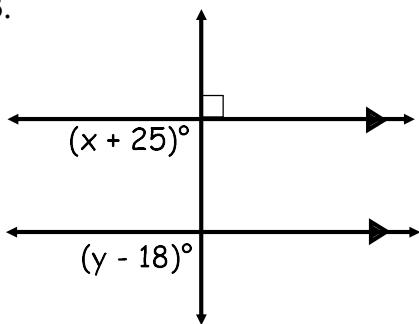
1.

83°
x°
(y – 13)°

2.

2y°
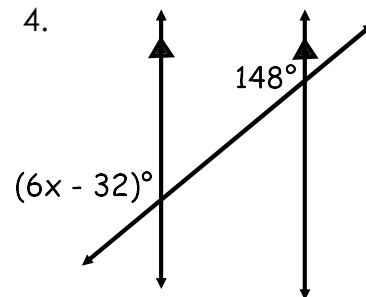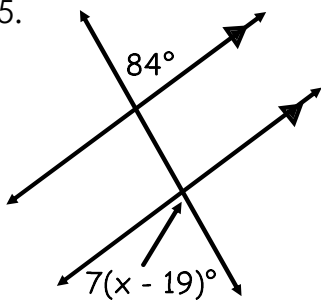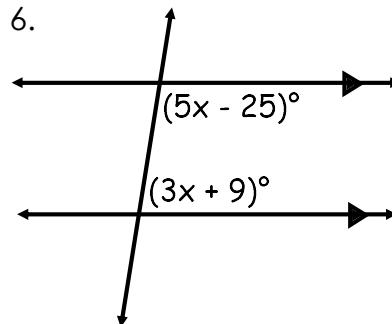(x + 9)°
98°

3.

(x + 25)°
(y – 18)°

4.

148°
(6x - 32)°

5.

84°
7(x - 19)°

6.

(5x - 25)°
(3x + 9)°

7.

(2x - 10)°
80°

8.

135°
(3x + 15)°

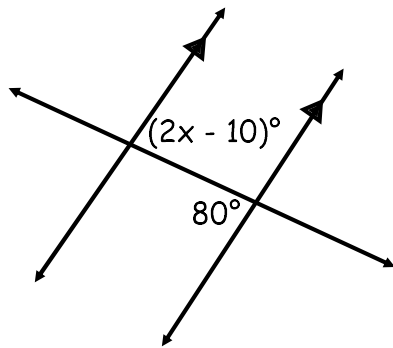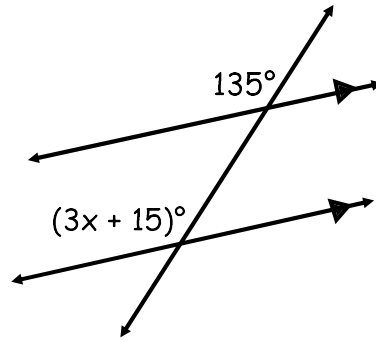**In the figure, $m\angle 2 = 70$. Find the measure of each angle.**

1. $\angle 3$ 2. $\angle 5$

3. $\angle 8$ 4. $\angle 1$

5. $\angle 4$ 6. $\angle 6$
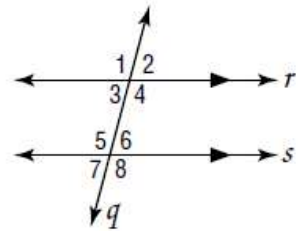
In the figure, $m\angle 9 = 80$ and $m\angle 5 = 68$. Find the measure of each angle.

7. $\angle 12$ 8. $\angle 1$

9. $\angle 4$ 10. $\angle 3$

11. $\angle 7$ 12. $\angle 16$
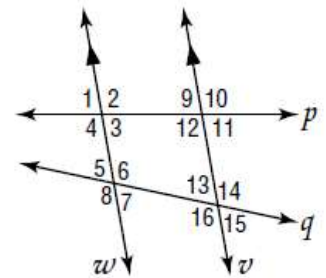
In the figure, $m\angle 3 = 75$ and $m\angle 10 = 115$. Find the measure of each angle.

13. $\angle 2$ 14. $\angle 5$

15. $\angle 7$ 16. $\angle 15$

17. $\angle 14$ 18. $\angle 9$