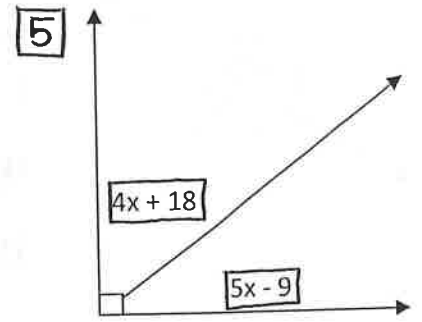
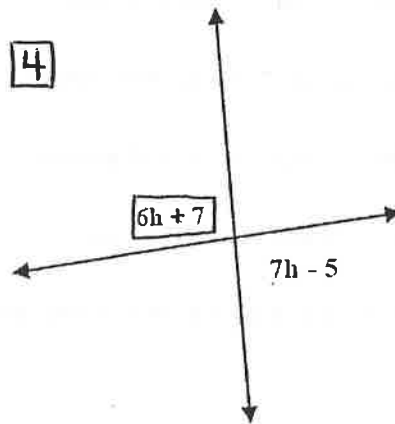
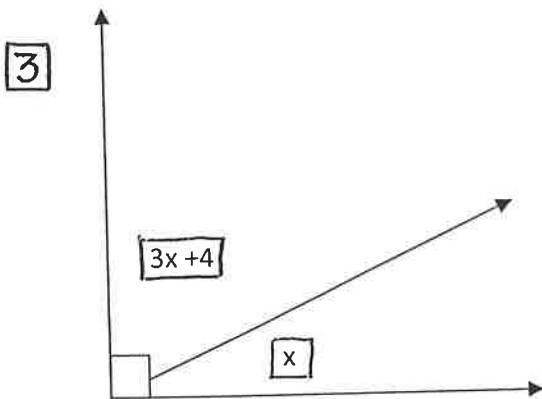
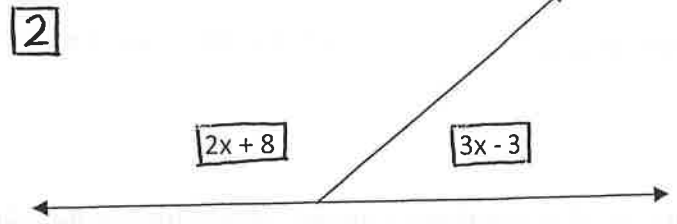
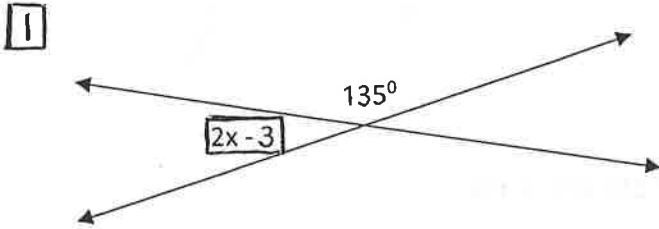
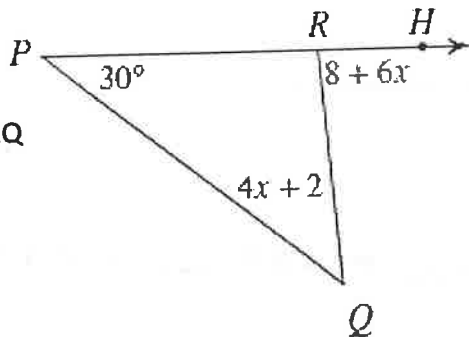


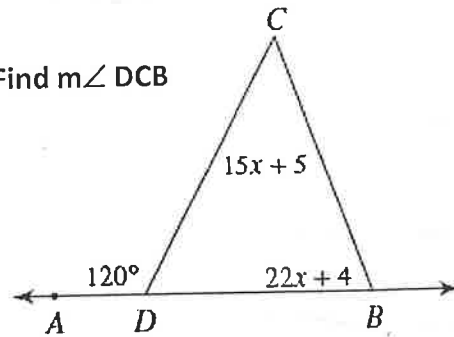
Find the missing **measures** on all angles below.



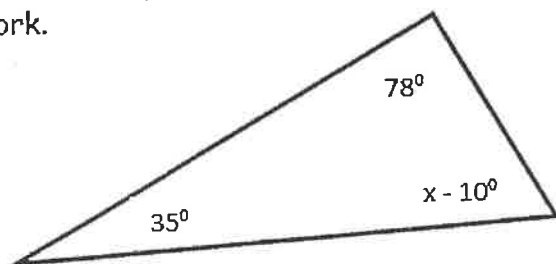
6 Find  $m\angle HRQ$



7 Find  $m\angle DCB$



8 Find the missing angle measure without using a protractor. Triangle is not drawn to scale. Set up an equation and show your work.



9 Draw a triangle and give it the following measures then list the measure of all three angles.  $m\angle 1 = 108^\circ$ ,  $m\angle 2 = x + 8$ , and  $m\angle 3 = x + 28$ .

$m\angle 1 = \underline{\hspace{2cm}}$

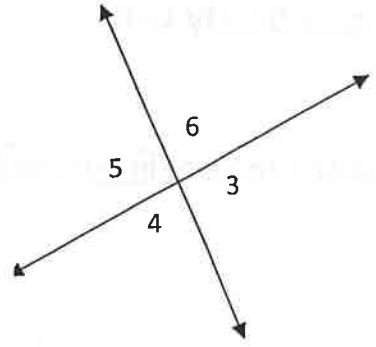
$m\angle 2 = \underline{\hspace{2cm}}$

$m\angle 3 = \underline{\hspace{2cm}}$

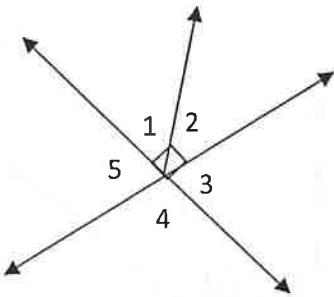
Use the figure to the right to answer the following questions (10-11).

10. If  $m\angle 6 = 2x$  and  $m\angle 4 = 78$ , then  $x =$  \_\_\_\_\_.

11.  $m\angle 5 = 4x + 12$  and  $m\angle 4 = x + 8$ , then  $x =$  \_\_\_\_\_. What is the measure of angle 5? \_\_\_\_\_ What is the measure of angle 4? \_\_\_\_\_



Use the figure below to answer the following questions (12-16) yes or no.



12. Are  $\angle 1$  and  $\angle 2$  complementary angles?

13. Are  $\angle 2$  and  $\angle 3$  adjacent angles?

14. Are  $\angle 2$  and  $\angle 4$  vertical angles?

15. Are  $\angle 5$  and  $\angle 3$  vertical angles?

16. Are  $\angle 3$  and  $\angle 4$  supplementary angles?

## ANSWERS

1. \_\_\_\_\_

9. \_\_\_\_\_

2. \_\_\_\_\_

10. \_\_\_\_\_

3. \_\_\_\_\_

11.  $x =$  \_\_\_\_\_  $m\angle 5 =$  \_\_\_\_\_  $m\angle 4 =$  \_\_\_\_\_

4. \_\_\_\_\_

12. \_\_\_\_\_

5. \_\_\_\_\_

13. \_\_\_\_\_

6. \_\_\_\_\_

14. \_\_\_\_\_

7. \_\_\_\_\_

15. \_\_\_\_\_

8. \_\_\_\_\_

16. \_\_\_\_\_