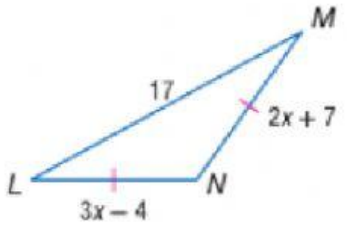
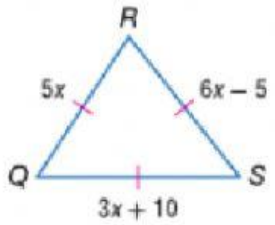
- **Find x**

1.




(A) 10 (B) 11 (C) 12 (D) 13

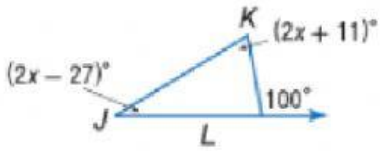
2.




(A) 5 (B) 11 (C) 12 (D) 13

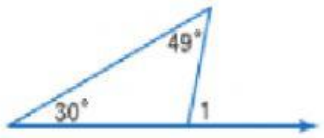
- **Find each measure**

3. m∠ JKL



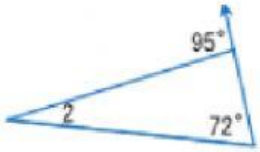

(A) 5 (B) 11 (C) 69 (D) 13

4. m∠1




(A) 5 (B) 11 (C) 69 (D) 79

5. m∠2



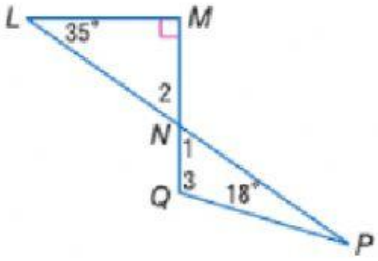

(A) 5 (B) 23 (C) 69 (D) 79

- **Find the measure of each numbered angle**

6. m∠2

m∠1

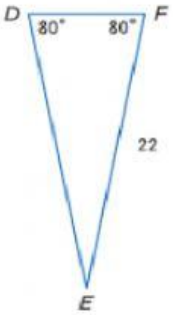
m∠3




(A) 55, 55, 107 (B) 55, 18, 107 (C) 18, 55, 107 (D) 35, 55, 107

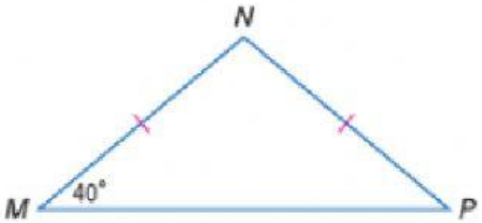
- **Find each measure**

7. DE =



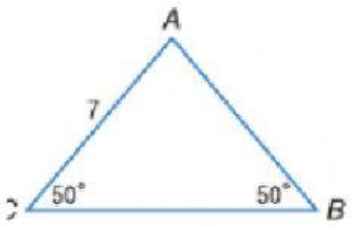

(A) 5 (B) 23 (C) 22 (D) 79

8. m∠ MPN =




(A) 50 (B) 20 (C) 40 (D) 70

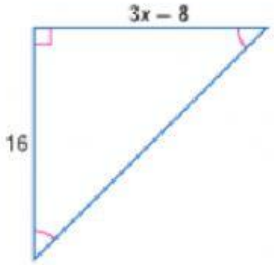
9. AB =




(A) 5 (B) 7 (C) 2 (D) 9

- **Find the value of each variable.**

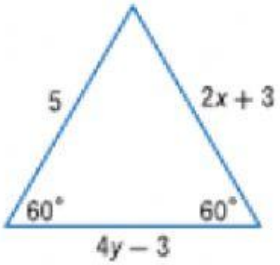
10. x =




(A) 8 (B) 7 (C) 2 (D) 9

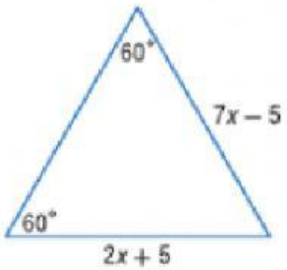
11. x =

y =




(A) x = 1, y = 1 (B) x = 2, y = 1 (C) x = 1, y = 2 (D) x = 2, y = 2

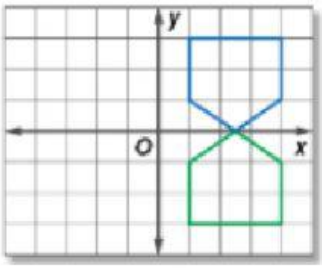
12. x =




(A) 8 (B) 7 (C) 2 (D) 9

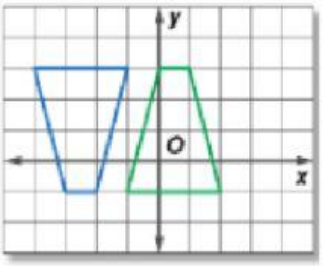
- **Identify the type of congruence transformation shown as a reflection, translation, or rotation**

13.



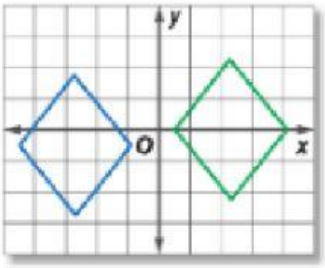

(A) Reflection (B) Translation (C) Rotation (D) None

14.




(A) Reflection (B) Translation (C) Rotation (D) None

15.




(A) Reflection (B) Translation (C) Rotation (D) None