

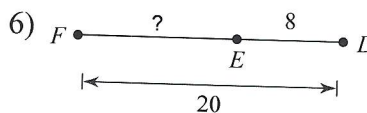
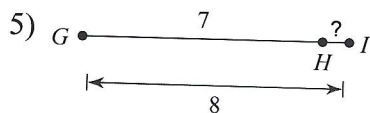
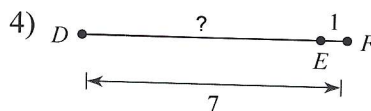
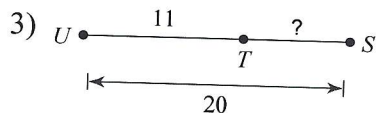
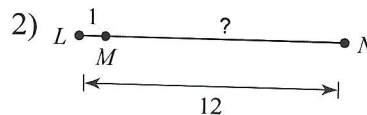
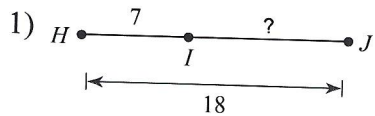
GEOMETRY

NTI

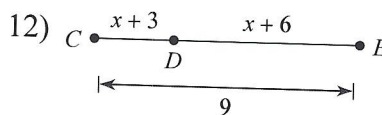
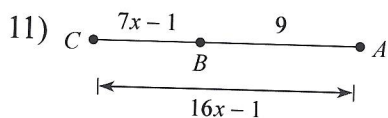
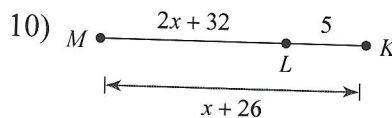
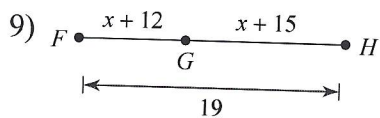
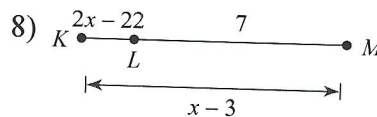
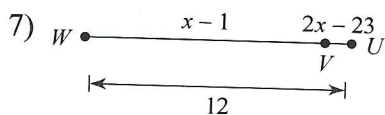
DAY #5

NTI Day #5

Find the length indicated.



Solve for x .



Find the midpoint of the line segment with the given endpoints.

$$M = \left(\frac{x_2 + x_1}{2}, \frac{y_2 + y_1}{2} \right)$$

13) (10, 9), (8, 7)

14) (-6, -5), (0, 10)

15) (-1, 7), (0, 9)

16) (1, 5), (-1, -9)

17) (-4, 9), (-8, -2)

18) (-3, -5), (-5, 10)

19) (2, -3), (7, -3)

20) (1, 1), (-1, 0)

Find the distance between each pair of points. Round your answer to the nearest tenth, if necessary.

$$d = \sqrt{(x_2 - x_1)^2 + (y_2 - y_1)^2}$$

21) (-7, -1), (-5, -1)

22) (7, -5), (0, 1)

23) (0, -6), (-1, 6)

24) (5, 8), (5, -8)

25) (4, 5), (8, -8)

26) (-4, -2), (-2, 3)

27) (-6, -3), (-8, 1)

28) (-1, 0), (-8, 8)