

# Geometry

## Day 2

Key

1-2: 11, 12, 14, 15, 20-23

11.)  $5 \frac{1}{2}$

12.)  $3 \frac{1}{4}$

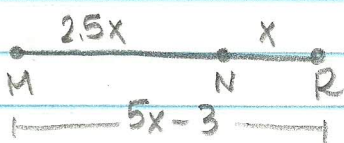
14.)



$$17.1 - 8 = 9.1$$

$$\boxed{CD = 9.1}$$

15.)



$$2.5x + x = 5x - 3$$

$$MN = 2.5(2)$$

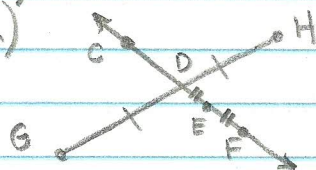
$$3.5x = 5x - 3$$

$$\boxed{MN = 5}$$

$$3 = 1.5x \quad x = 2$$

20.)  $9 \frac{1}{3}$

21.)



$$CD = 14.2$$

$$\hookrightarrow FD = 14.2$$

$$\hookrightarrow \boxed{EF = 7.1}$$

22.)  $GH = 4x - 1$   $DH = 8$

$$4x - 1 = 16 \quad 4x = 17$$

$$\boxed{x = 4.25}$$

23.)  $CF = 2y - 2$   $CD \cdot 2 = CF$

$$CD = 3y - 11$$

$$2(3y - 11) = 2y - 2$$

$$CD = 3(5) - 11$$

$$15 - 11$$

$$6y - 22 = 2y - 2 \quad 4y = 20 \quad y = 5$$

$$\boxed{CD = 4}$$

1-1: 31-34

31.) Always

32.) Never

33.) Always

34.) Sometimes



or

