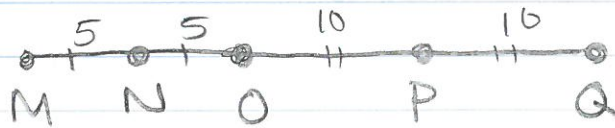


1.3 worksheet (Multiple choice)

~~X~~ Did not assign

2. If $AB = 6$, $BC = 10$, B is b/w A and C ,
 $AC = 16$, (B)



For # 3-7
 $MQ = 30$, $MN = 5$
 $NO = NP$, $OP = PQ$

3. $OQ = 20$, (D) 5. $NO = 5$, (A)
 4. $PQ = 10$, (B) 6. $NP = 15$, (C)
 7. Which are NOT true?

- a) $NP = MN + PQ \rightarrow 15 = 5 + 10?$ ✓
 b) $MP = OQ \rightarrow 20 = 20?$ ✓
 c) $NQ = MP \rightarrow 25 = 20?$ X (C)
 d) $MO = PQ \rightarrow 10 = 10$ ✓
 e) $MQ = PQ \cdot 3 \rightarrow 30 = 10 \cdot 3$ ✓

8. $GH + HI = GI$ $x = 3$ (A)
 $8x + 7 + 3x - 2 = 38$

9. $3(3) - 2 = 7$, (C) 10. $A(5,1)$ $B(5,6)$ $C(1,4)$ $D(4,-2)$

11. $AB = \sqrt{9^2 + 2^2}$, $XY = \sqrt{2^2 + 6^2}$ $AC \cong AB$
 AB is greater, (A) $BC = \sqrt{2^2 + 4^2} = \sqrt{20}$ (D)
 $BD = \sqrt{1^2 + 8^2} = \sqrt{65}$

12. $AB = \sqrt{6^2 + 5^2}$ $XY = \sqrt{5^2 + 3^2}$ $AC = \sqrt{4^2 + 3^2} = \sqrt{25}$
 AB is greater, (A)

13. but... so (D)
 Here, $XY + YZ = XZ$ $XY + YZ > XZ$