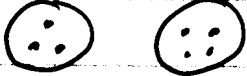


Ch 1 Midterm Quiz Answers

1. $81, 243 \quad \times 3$

2. $5/8, 5/16 \quad \div 2$

3. $44, 55 \quad +9, +11, +9, +11, \dots$

4.  add a dot
3 dots any order
4 dots any order

5. Relationship: $\frac{(x-1) + (x+1)}{2} = x$

Counter example: none

6. M, B, D, E (only plane w/4 pts shown is \textcircled{P})

7. C, M, O or M, B, E

8. Many Options: example - A, F, O, B

9. a. pt M

b. pt M

c. pt F

d. pt O


10. $\left. \begin{array}{l} ABCD \parallel EFGH \\ AEHD \parallel BFGC \\ ABFE \parallel CDHG \end{array} \right\} \text{any } \underline{2} \text{ of these}$

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3 dots any order 4 dots any order

5. Relationship: $\frac{(x-1) + (x+1)}{2} = x$

Counter example: none

6. M, B, D, E (only plane w/4 pts shown is \textcircled{F})

7. C, M, O or M, B, E

8. Many Options: example - A, F, O, B

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b. pt M

c. pt F

d. pt \textcircled{O}

10. $ABCD \parallel EFGH$
 $A E H D \parallel B F G C$
 $A B F E \parallel C D H G$ } any 2 of these

11. $\overline{AB}, \overline{BC}$
 $\overline{AB}, \overline{AD}$
 $\overline{EF}, \overline{FG}$
... } Many other options

12. \overline{BF} or \overline{AE} or \overline{DH}

13. $\overline{AE}, \overline{DH}, \overline{EF}$ or \overline{GH}

14. a. 5

b. 9

c. 48

15. Intersecting lines are in the same plane but not \parallel .

16. 25

17. 25

18. 50

19. 130

20. 50

21. 180

