Name: _____ Period: _____ Date: _____

Homework 13-1
Introduction to Slope

Pre-Algebra   **Unit 13**

Use the points marked on Graph C to answer questions 1-10.   **GRAPH C**

1. What is the <u>rise</u> from A to B? | **4.** What is the <u>rise</u> from C to D?

2. What is the <u>run</u> from A to B? | **5.** What is the <u>run</u> from C to D?

3. What is the slope of line AB? | **6.** What is the slope of line CD?

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7. What is the slope of EF? | **9.** What is the slope of CB?

8. What is the slope of AC? | **10.** What is the slope of AF?

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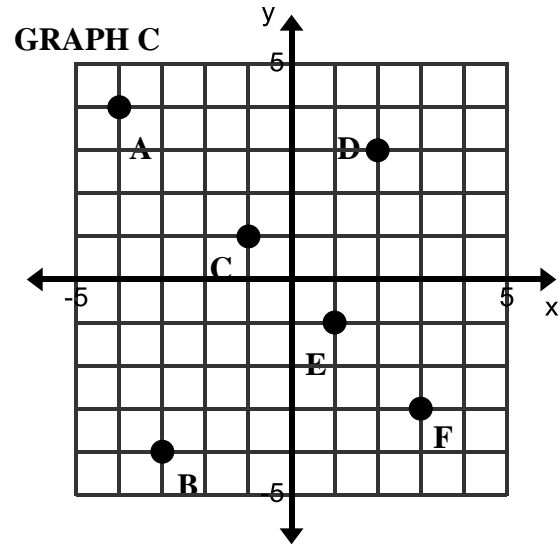
Use Graph D to answer questions 11-16.   **GRAPH D**

11. What is the slope of VW?   **14.** What is the slope of YX?

12. What is the slope of UT?   **15.** What is the slope of ZX?

13. What is the slope of ZY?   **16.** Why is the slope of ZY, YX, and ZX the same?
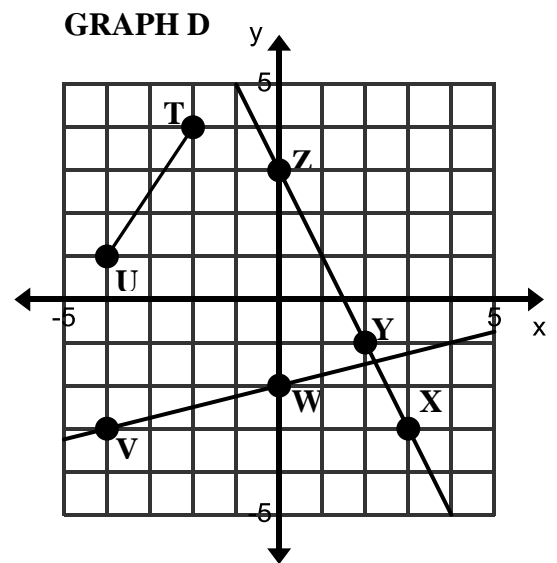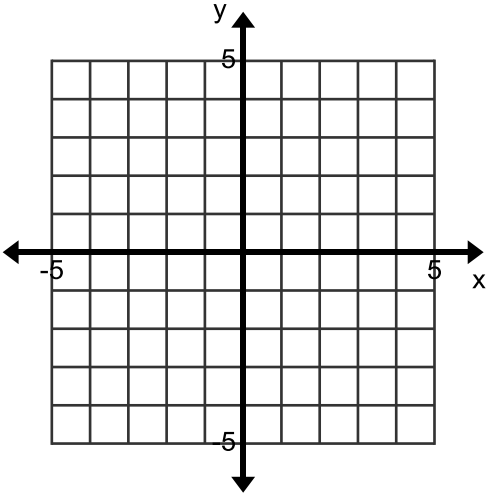
17. Place a point at $(-4, 1)$.

From this point, draw a line with a slope of $\dfrac{3}{4}$.
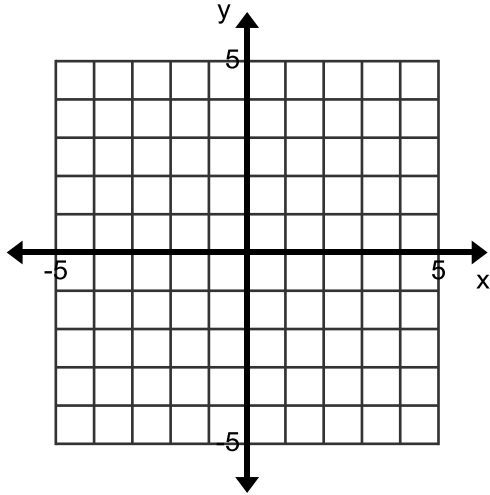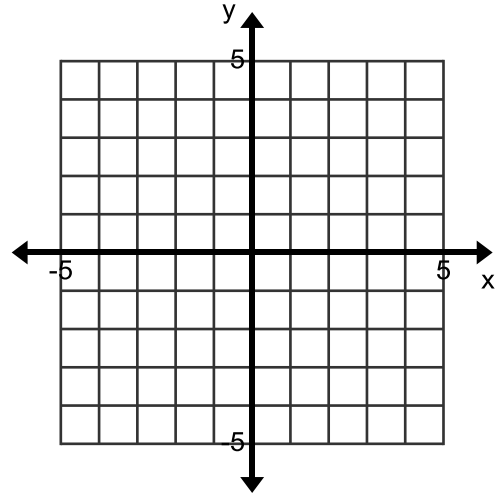
18. Place a point at $(-2, 3)$.

From this point, draw a line with a slope of $\dfrac{-5}{2}$
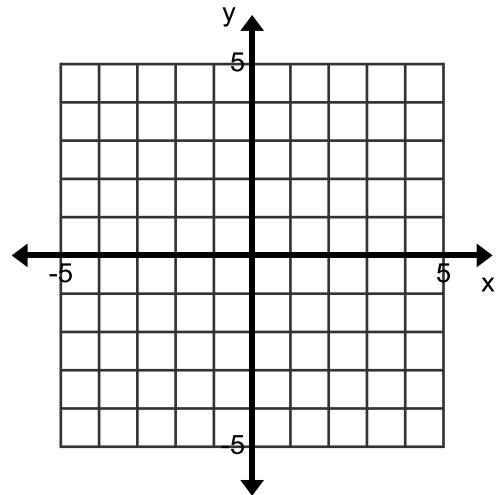
19. Place a point at $(1, 2)$.

From this point, draw a line with a slope of $-\dfrac{2}{3}$.
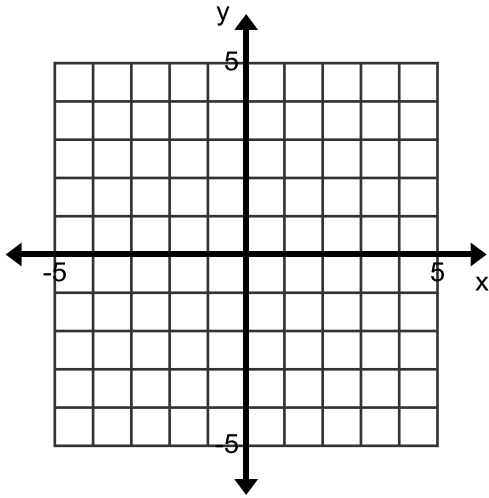
20. Place a point at $(0, -4)$.

From this point, draw a line with a slope of $\dfrac{5}{1}$.
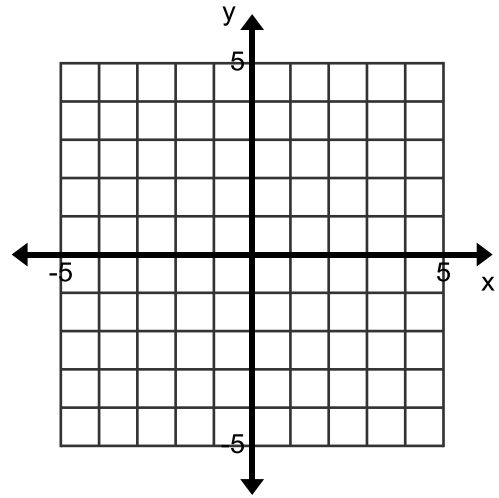
For 21-24, plot the points given and find the slope.
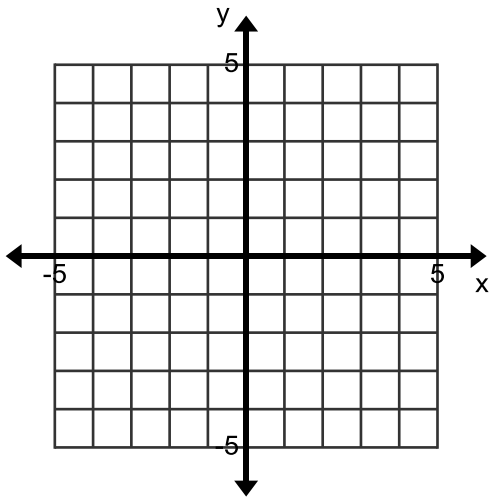
21. $(-2, 4)$ *and* $(4, -1)$

Slope _____

23. $(2, -4)$ *and* $(4, 4)$

Slope _____

22. $(0, 3)$ *and* $(-3, 0)$

Slope _____

24. $(-2, 0)$ *and* $(1, -3)$

Slope _____