Unit 6 Day 5 - Perpendicular, Parallel or Neither Assignment
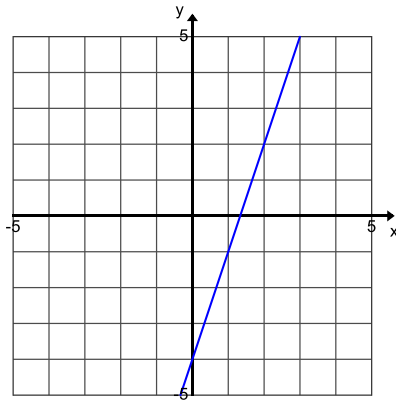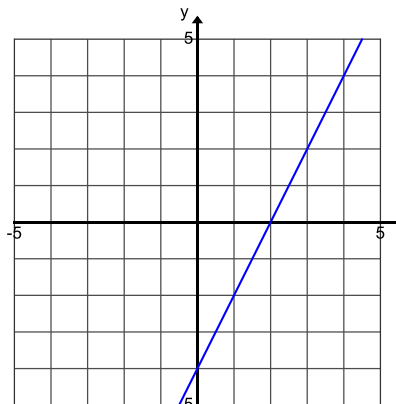
1. Write the equation of the given line:

2. Draw a line that is perpendicular to the given line.

3. Write the equation of the line from #2:

4. In a different color, draw a line that is parallel to the first line.

5. Write the equation of the line from #4:
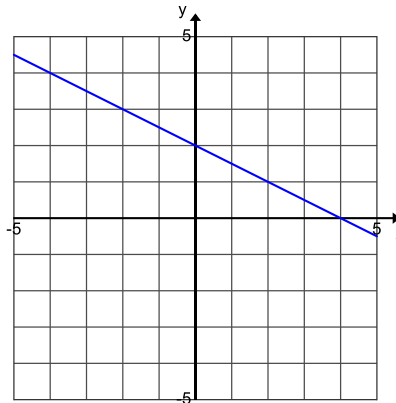
6. Write the equation of the given line:

7. Draw a line that is perpendicular to the given line.

8. Write the equation of the line from #7:

9. In a different color, draw a line that is parallel to the first line.
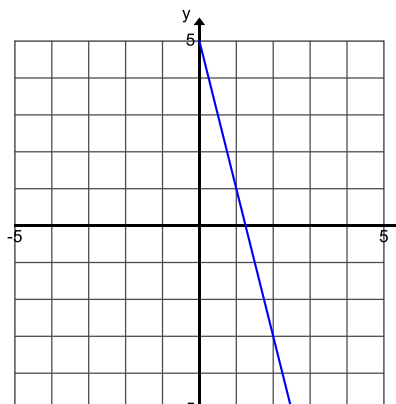
10. Write the equation of the line from #9:

11. Write the equation of the given line:

12. Draw a line that is perpendicular to the given line.

13. Write the equation of the line from #12:

14. In a different color, draw a line that is parallel to the first line.

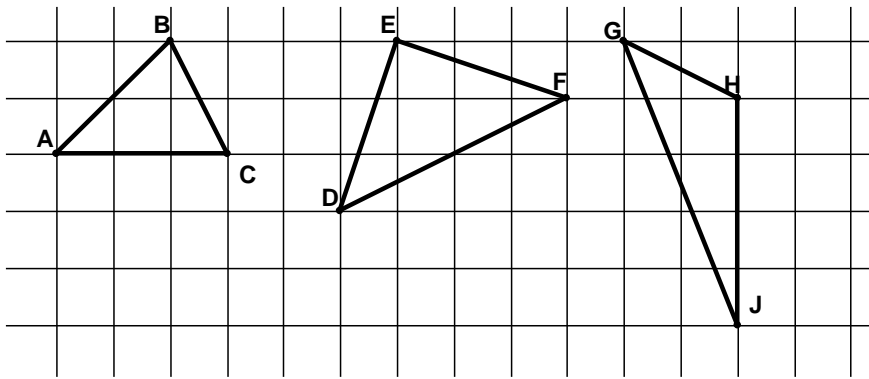15. Write the equation of the line from #14:

16. Write the equation of the given line:

17. Draw a line that is perpendicular to the given line.

18. Write the equation of the line from #17:

19. In a different color, draw a line that is parallel to the first line.

20. Write the equation of the line from #19:

21. Find the slope of $\overline{AB}$

22. Find the slope of $\overline{BC}$

23. Find the slope of $\overline{CA}$

24. Is triangle ABC a right triangle?   How do you know?

25. Find the slope of $\overline{EF}$

26. Find the slope of $\overline{FD}$

27. Find the slope of $\overline{ED}$

28. Is triangle DEF a right triangle?   How do you know?

29. Find the slope of $\overline{GH}$

30. Find the slope of $\overline{HJ}$

31. Find the slope of $\overline{JG}$

32. Is triangle GHJ a right triangle?   How do you know?