

Unit 2 HW 7

Name _____

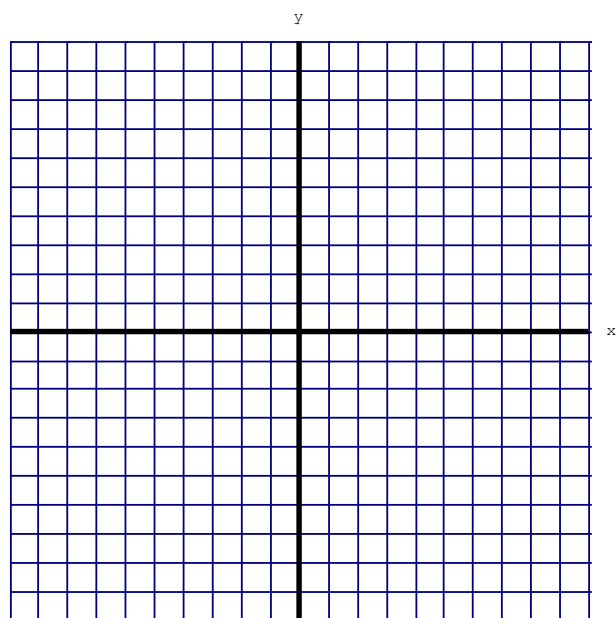
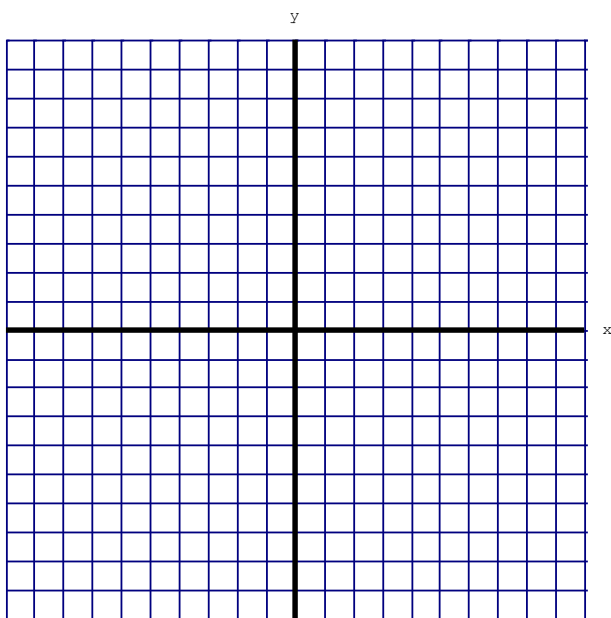
Date _____

Period _____

Graph each linear equation using any method

1. $3x - 2y = 12$

2. $2x + 4y = 20$



3. Mr. Sacco Challenges Mr. Paul to a 1 mile race. Mr. Sacco's speed was 13 feet/second while Mr. Paul's speed was 9.6 miles/hour. Who won the race?

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Show your work for full credit. Use appropriate answers.

4. Simplify. $-16(-3)^2 + 3(-3) + 57$

5. Solve. $\frac{-13-18x}{37} = 41$

6. The local tennis club charges an annual fee. It also charges you a fee per tennis lesson. My friend Sarah has taken 11 lessons at the club, and has paid \$894 in fees. I have only taken 7 lessons, and have paid \$726.
- Write an equation to represent the charges for the tennis club.
 - How much does the tennis club charge for a tennis lesson?
 - How much is their annual fee?
 - If I want to take 10 lessons, how much money will I have to pay the tennis club in total?
 - If someone paid \$1104 in fees this year, how many tennis lessons have they taken?