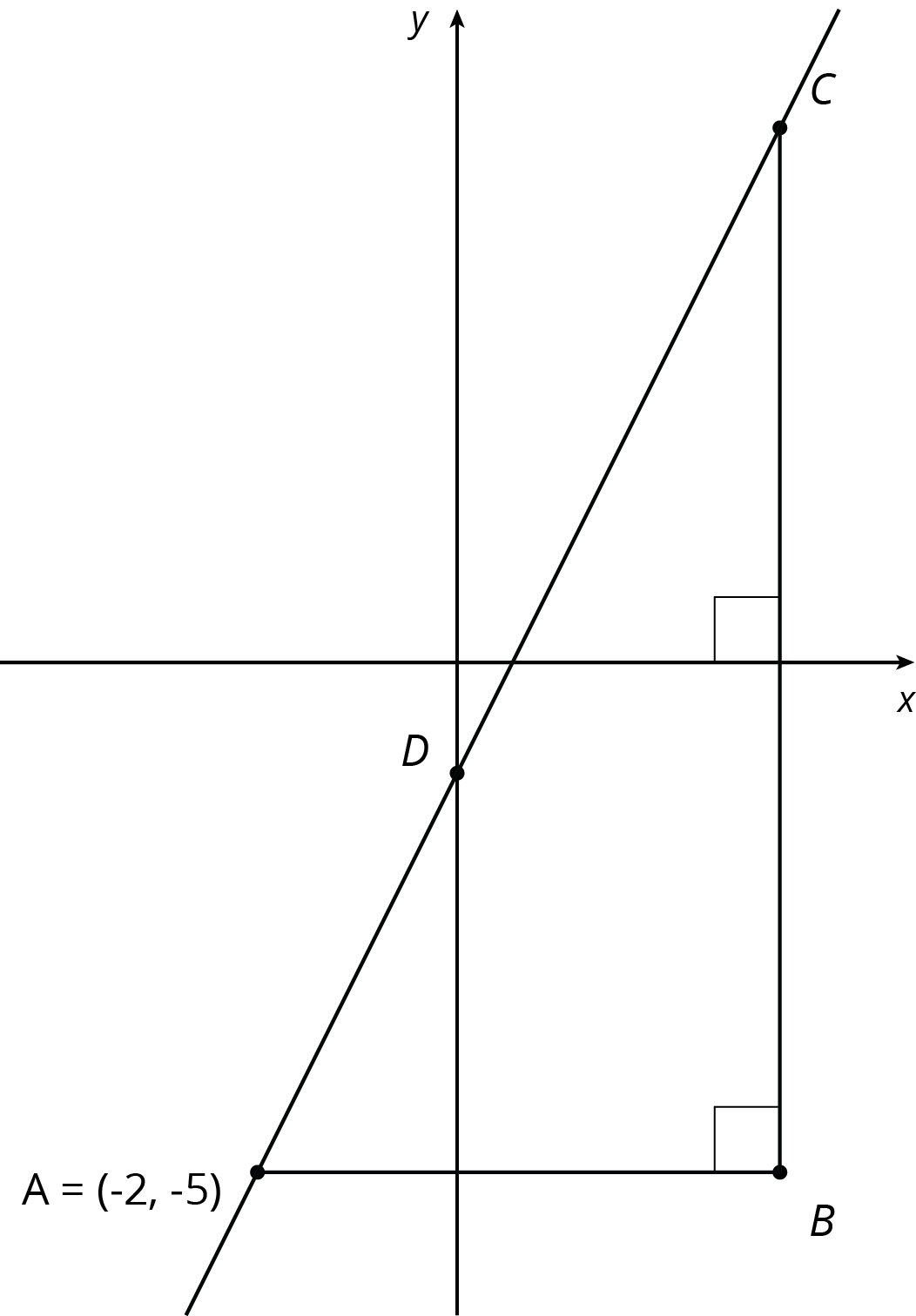
## Unit 3 Lesson 13 Cumulative Practice Problems

1. For each equation, find when . Then find when
2. True or false: The points , , and all lie on the same line. The equation of the line is . Explain or show your reasoning.
3. Here is a linear equation:
   1. Are and solutions to the equation? Explain or show your reasoning.
   2. Find the -intercept of the graph of the equation. Explain or show your reasoning.
4. Find the coordinates of , , and given that = 5 and = 10.

* 
* (From Unit 2, Lesson 11.)

1. Match each graph of a linear relationship to a situation that most reasonably reflects its context.

* 
  1. Graph A
  2. Graph B
  3. Graph C
  4. Graph D
  5. is the weight of a kitten days after birth.
  6. is the distance left to go in a car ride after hours of driving at a constant rate toward its destination.
  7. is the temperature, in degrees C, of a gas being warmed in a laboratory experiment.
  8. is the amount of calories consumed eating crackers.
* (From Unit 3, Lesson 9.)



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