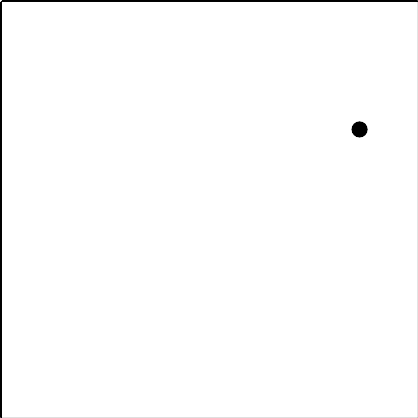
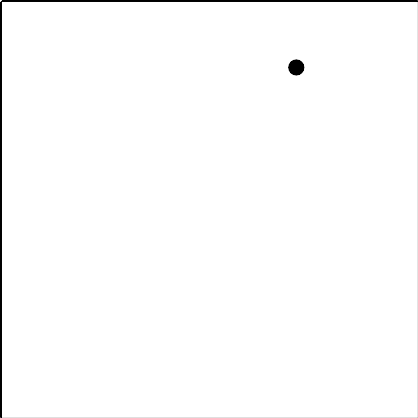
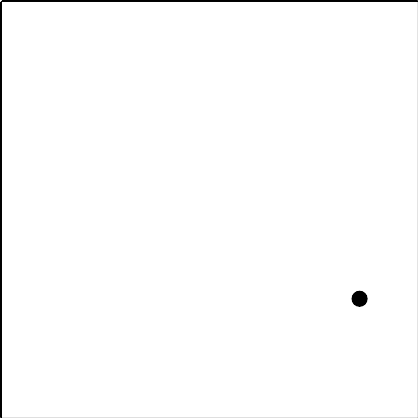
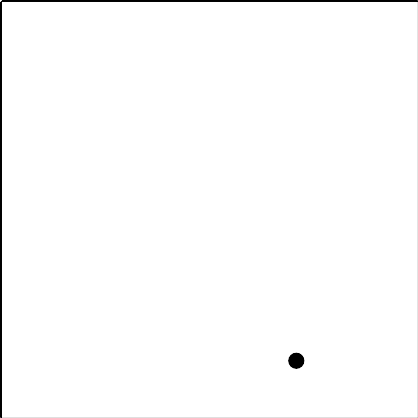
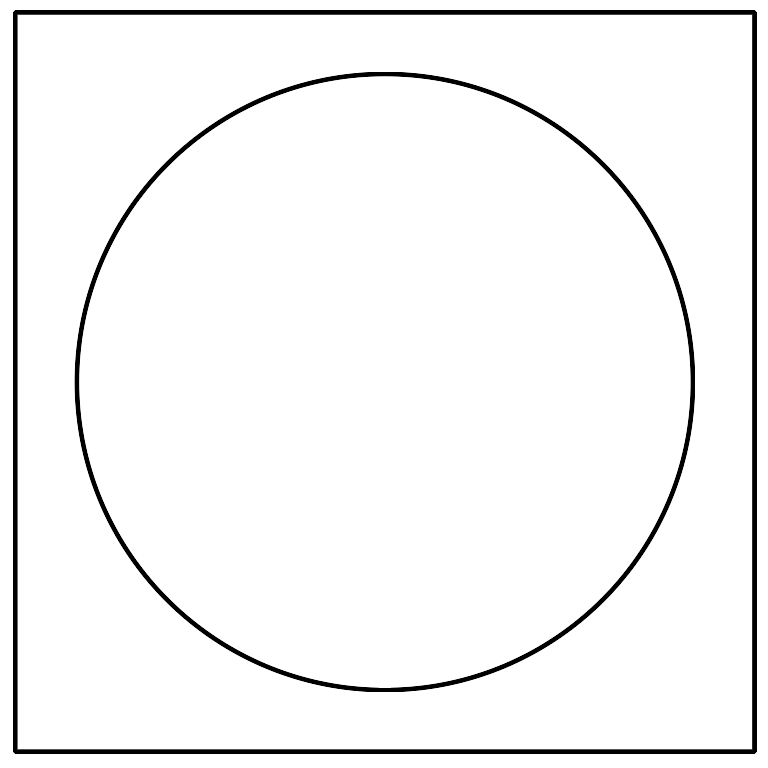
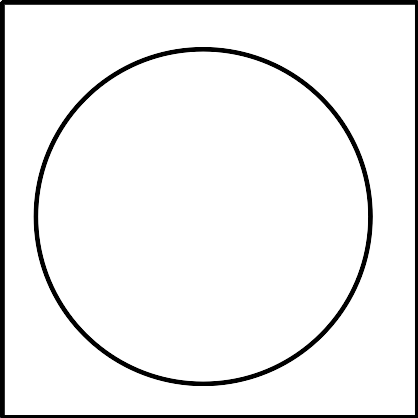
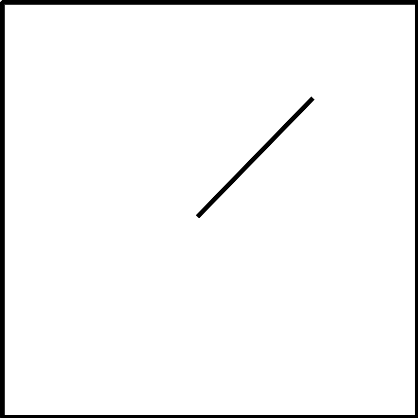
### Lesson 5 Practice Problems

1. The pictures show points on a unit circle labeled A, B, C, and D. Which point is ?
   1. 
   2. 
   3. 
   4. 
2. For which angles is the cosine positive? Select **all** that apply.
   1. 0 radians
   2. radians
   3. radians
   4. radians
   5. radians
3. Mark two angles on the unit circle whose measure satisfies . How do you know your angles are correct?

* 
  1. For which angle measures, , between 0 and radians is ? Label the corresponding points on the unit circle.
  + 
  1. What are the values of for these angle measures?

1. Angle measures radians, and the coordinates of are about .

* 
  1. The measure of angle is radians. What are the approximate coordinates of ? Explain how you know.
  2. The measure of angle is radians. What are the approximate coordinates of ? Explain how you know.
* (From Unit 6, Lesson 4.)
  1. In which quadrant is the value of the -coordinate of a point on the unit circle always greater than the -coordinate? Explain how you know.
  2. Name 3 angles in this quadrant.
* (From Unit 6, Lesson 4.)

1. Lin is comparing the graph of two functions and . The function is given by . Lin thinks the graph of will be the same as the graph of , translated to the left by 2. Do you agree with Lin? Explain your reasoning.

* (From Unit 5, Lesson 3.)



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