Unit 7 Review 3 worksheet Name: _____

1. Write out the state of the following integer array after each pass of a **selection** sort. Write the state of the array for each pass even if nothing changed.

5 2 3 4 1

_____ pass 1

_____ pass 2

_____ pass 3

_____ pass 4

_____ pass 5

2. Write code to create a Frog ArrayList. Add one Frog. Hop the Frog 12 spaces.

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_____ pass 1

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_____ pass 4

_____ pass 5

2. Write code to create a Frog ArrayList. Add one Frog. Hop the Frog 12 spaces.

3. Write out the state of the following integer array after each pass of an **insertion** sort. Write the state of the array for each pass even if nothing changed.

5 2 3 4 1

_____ pass 1

_____ pass 2

_____ pass 3

_____ pass 4

_____ pass 5

4. What are the two main good things about both insertion and selection sorts?

5. What is the main drawback of both of them?

3. Write out the state of the following integer array after each pass of an **insertion** sort. Write the state of the array for each pass even if nothing changed.

5 2 3 4 1

_____ pass 1

_____ pass 2

_____ pass 3

_____ pass 4

_____ pass 5

4. What are the two main good things about both insertion and selection sorts?

5. What is the main drawback of both of them?