

# Drawing Methods A

Watch this video for hints: <https://www.youtube.com/watch?v=YNpP-UaixtI>

Note: Sometimes the Chrome "eats" the formatting in the PDF. If you lose the spaces, try the text file in the links on the calendar instead: <http://www.gorskicompsci.ca/ICS3U/Unit2/drawingMethodsA.java>

```
public class drawingMethodsA
{
    public static void main (String args[])
    {
        new drawingMethodsA ();
    }

    /* INSTRUCTIONS -----
    Call the circ and line methods inside
    drawingMethods to draw a
    circle, tree, spoon, barbell.
    **      **      **      **
    * *    * *    * *    * *
    **      **      **      **
           ||      ||      ||
                   ||      ||
                           **
                               * *
                               **

    */
    public drawingMethodsA ()
    {
        System.out.println ("Here is a circle:");
        System.out.println ("Here is a tree:");
        System.out.println ("Here is a spoon:");
        System.out.println ("Here is a barbell:");
        System.out.println ("Here is an eight:");
    }

    public void circ ()
    {
        System.out.println ("  **");
        System.out.println (" *  *");
        System.out.println ("  **");
    }

    public void lines ()
    {
        System.out.println ("  ||");
    }
}
```

# Drawing Methods B

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<p>The output:</p> <p>Here is a house: * * * * * * * * * * * * * * *</p> <p>Here is a candy: * * * * * * * * * ** * * ** * * * * * * * * *</p> <p>Here is a hat: ** * * ** * * * * * *</p> <p>Here is a pencil: * * * * * * * * * * * * ** * * **</p> <p>Here is a play arrow: * * * * * * * * * * * *</p> <p>Here is an eight: ** * * ** ** * * **</p>	<p>The starter code:</p> <pre>public class drawingMethodsB {     public static void main (String args[])     {         new drawingMethodsB ();     }      public drawingMethodsB ()     {         System.out.println ("Here is a house:");         System.out.println ("Here is a candy:");         System.out.println ("Here is a hat:");         System.out.println ("Here is a pencil:");         System.out.println ("Here is a play arrow:");         System.out.println ("Here is an eight:");     }      public void circle ()     {         System.out.println (" **");         System.out.println (" * *");         System.out.println (" **");     }      public void triangle ()     {         System.out.println (" *");         System.out.println (" * *");         System.out.println ("* * *");     }      public void square ()     {         System.out.println ("* * *");         System.out.println ("* * *");         System.out.println ("* * *");     } }</pre>
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# Drawing Methods C

Same deal, but this time there is a game attached to guessing the words.

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```
public class drawingMethodsC {
    public static void main (String args[]) {
        new drawingMethodsC ();
    }

    public drawingMethodsC () {
        String word = "";
        int tries = 0;
        //write CAR using methods

        word = IO.inputString ("1. What word is written above? ");
        while (!word.equalsIgnoreCase ("car")) {
            word = IO.inputString ("No, try again. What word is written above? ");
            tries++;
        }
        //write ARC using methods

        word = IO.inputString ("2. What word is written above? ");
        while (!word.equalsIgnoreCase ("arc")) {
            word = IO.inputString ("No, try again. What word is written above? ");
            tries++;
        }
        //write CART using methods

        word = IO.inputString ("3. What word is written above? ");
        while (!word.equalsIgnoreCase ("cart")) {
            word = IO.inputString ("No, try again. What word is written above? ");
            tries++;
        }
        //write TAR using methods

        word = IO.inputString ("4. What word is written above? ");
        while (!word.equalsIgnoreCase ("tar")) {
            word = IO.inputString ("No, try again. What word is written above? ");
            tries++;
        }
        //write CAT using methods

        word = IO.inputString ("5. What word is written above? ");
        while (!word.equalsIgnoreCase ("cat")) {
            word = IO.inputString ("No, try again. What word is written above? ");
            tries++;
        }
        //write RAT using methods

        word = IO.inputString ("6. What word is written above? ");
        while (!word.equalsIgnoreCase ("rat")) {
            word = IO.inputString ("No, try again. What word is written above? ");
            tries++;
        }

        System.out.println ("\r\n C O R E ");
        System.out.println ("You took " + tries + " extra tries to guess the words.");
        if (tries == 0)
            System.out.println ("Wow! You guessed every word first try!");
        else if (tries <= 2)
            System.out.println ("Nice work. You guessed most words on the first try.");
        else if (tries <= 6)
            System.out.println ("Not bad. You took a few tries on some words.");
        else
            System.out.println ("ASCII art is tricky to read. Better luck next time.");
    }

    public void letterC () {
        System.out.println (" ***");
        System.out.println (" * ");
        System.out.println (" * ");
        System.out.println (" ***");
        System.out.println ("");
    }

    public void letterA () {
        System.out.println (" ***");
        System.out.println (" * *");
        System.out.println (" * *");
        System.out.println (" * *");
        System.out.println ("");
    }

    public void letterR () {
        System.out.println (" ***");
        System.out.println (" * *");
        System.out.println (" *");
        System.out.println (" * *");
        System.out.println ("");
    }

    public void letterT () {
        System.out.println (" ***");
        System.out.println (" *");
        System.out.println (" *");
        System.out.println (" *");
        System.out.println ("");
    }
}
```