

# The Combination Square



## Directions

Pictured above is a combination square. Pictured at the right is a sequence of steps that can be used to lay out the combination square in the rectangle below. Keep all developmental lines light. The darker layout lines pictured at the right are for illustration purposes only. Darken your sketch only when it is correct.

## Remember

- Hold the pencil loosely.
- Use developmental lines and the “crating” technique to keep your sketch properly proportioned.
- Only darken developmental lines when you are satisfied that they are correct.
- Keep your sketch neat!

### Assessment Rubric

Use developmental lines	1 pt
Use object lines	1 pt
Sketch proper proportion	1 pt
Sketch correct	2 pts
Sketch neat	2 pts

7- A 6- B 5- C 4- D

Complete your sketch here:

Step 1



Step 2



Step 3



Step 4



Step 5:  
Add additional detail.

# The Hacksaw



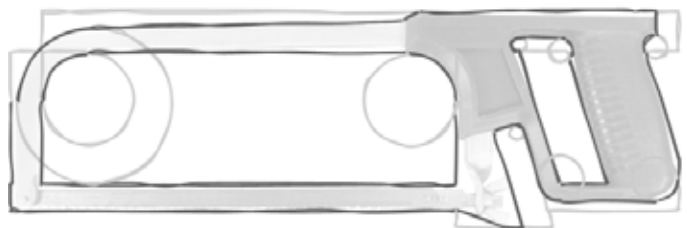
Step 1:



Step 2



Step 3



Step 4



Step 5  
Add additional detail.

**Directions**

Pictured above is a hacksaw. Pictured at the right is a sequence of steps that can be used to lay out the hacksaw in the rectangle below. Keep all developmental lines light. The darker layout lines pictured at the right are for illustration purposes only. Darken your sketch only when it is correct.

**Remember**

- Hold the pencil loosely.
- Use developmental lines and the “crating” technique to keep your sketch properly proportioned.
- Only darken developmental lines when you are satisfied that they are correct.
- Keep your sketch neat!

**Assessment Rubric**

Use developmental lines	1 pt
Use object lines	1 pt
Sketch proper proportion	1 pt
Sketch correct	2 pts
Sketch neat	2 pts

7- A 6- B 5- C 4- D

Complete your sketch here:

# The Needlenose Pliers



Step 1



Step 2

## Directions

Pictured above is a pair of needlenose pliers. Pictured at the right is a sequence of steps that can be used to lay out the needlenose pliers in the rectangle below. Keep all developmental lines light. The darker layout lines pictured at the right are for illustration purposes only. Darken your sketch only when it is correct.

## Remember

- Hold the pencil loosely.
- Use developmental lines and the “crating” technique to keep your sketch properly proportioned.
- Only darken developmental lines when you are satisfied that they are correct.
- Keep your sketch neat!

Step 3

### Assessment Rubric

Use developmental lines	1 pt
Use object lines	1 pt
Sketch proper proportion	1 pt
Sketch correct	2 pts
Sketch neat	2 pts

7- A 6- B 5- C 4- D

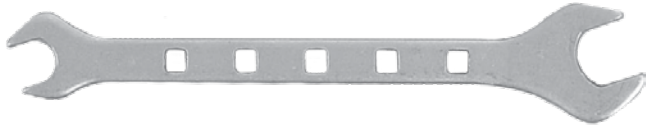
Step 4

Step 5

Add additional detail.

Complete your sketch here:

# The Open End Wrench



## Directions

Pictured above is an open end wrench. Pictured at the right is a sequence of steps that can be used to lay out the open end wrench in the rectangle below. Keep all developmental lines light. The darker layout lines pictured at the right are for illustration purposes only. Darken your sketch only when it is correct.

## Remember

- Hold the pencil loosely.
- Use developmental lines and the “crating” technique to keep your sketch properly proportioned.
- Only darken developmental lines when you are satisfied that they are correct.
- Keep your sketch neat!

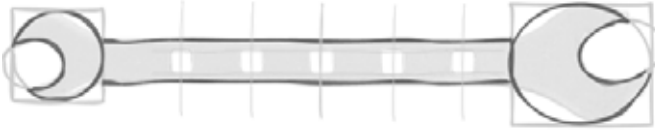
Step 1



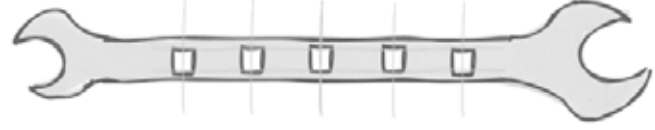
Step 2



Step 3



Step 4



Step 5:  
Add additional detail.

## Assessment Rubric

Use developmental lines	1 pt
Use object lines	1 pt
Sketch proper proportion	1 pt
Sketch correct	2 pts
Sketch neat	2 pts

7- A 6- B 5- C 4- D

Complete your sketch here:

# The Adjustable Wrench



### Directions

Pictured above is an adjustable wrench. Pictured at the right is a sequence of steps that can be used to layout the adjustable wrench in the rectangle below. Keep all developmental lines light. The darker layout lines pictured at the right are for illustration purposes only. Darken your sketch only when it is correct.

### Remember

- Hold the pencil loosely.
- Use Developmental lines and the “crating” technique to keep your sketch properly proportioned.
- Only darken developmental lines when you are satisfied that they are correct.
- Keep your sketch neat!

### Assessment Rubric

Use developmental lines	1 pt
Use object lines	1 pt
Sketch proper proportion	1 pt
Sketch correct	2 pts
Sketch neat	2 pts

7-A 6-B 5-C 4-D

Step 1:



Step 2:



Step 3:



Step 4:



Step 5:

Add additional detail.

Complete your sketch here:

# Hand Tool Identification Guide

