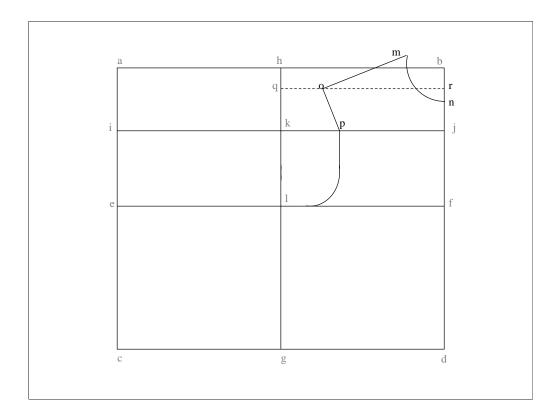


Drafting The Female Body Sloper

1. Begin by drawing a rectangle, *abcd*, where *ac* is the back nape to waist measurement + the width of the bust dart, and line *ab* is 1/2 the bust measurement.

- 2. Divide the rectangle in half vertically, line hg, and horizontally, line ef.
- 3. Divide the upper section in half horizontally, line *ij*.
- 4. Label the intersections *k* and *l*, as shown.



Neckline

- 5. Mark point m 3" to the right of point b and 1/2" up from line hb.
- 6. Mark point n on line bd 2-1/5" down from point b.
- 7. Connect points m and n with a curve.

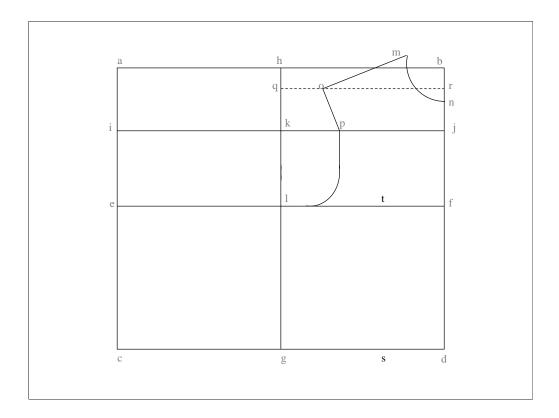
Neck To Shoulder

8. Draw a dotted line 1-3/8" below line *hb*.

9. Place the end of your ruler on point m and angle it until the ruler touches line qr at the neck to shoulder measurement. Label point o.

Armhole

- 10. Mark point p on line kj, 1/2 the front width measurement from point j.
- 11. Connect p with l with a gently curving line.



Neckline

- 5. Mark point *m* 3" to the right of point *b* and 1/2" up from line *hb*.
- 6. Mark point n on line bd 2-1/5" down from point b.
- 7. Connect points *m* and *n* with a curve.

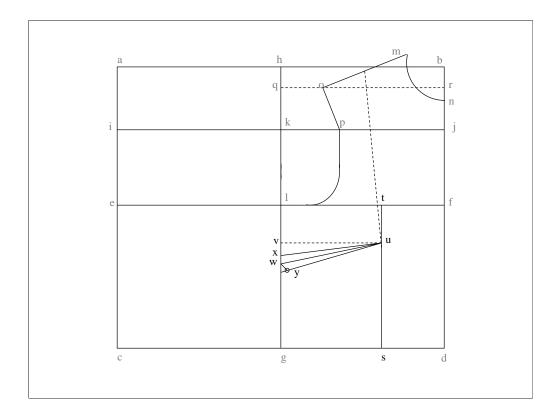
Neck To Shoulder

8. Draw a dotted line 1-3/8" below line *hb*.

9. Place the end of your ruler on point *m* and angle it until the ruler touches line qr at the neck to shoulder measurement + 1/2". Label point *o*.

Armhole

- 10. Mark point p on line kj, 1/2 the front width measurement from point j.
- 11. Connect p with l with a gently curving line.



Bust Dart

12. Mark line ts 1/2 the width of the bust point to bust point measurement from line fd.

13. Place the end of your rule in the center of line mo and angle it until it crosses line ts at the center shoulder to bust point measurement. Label point u.

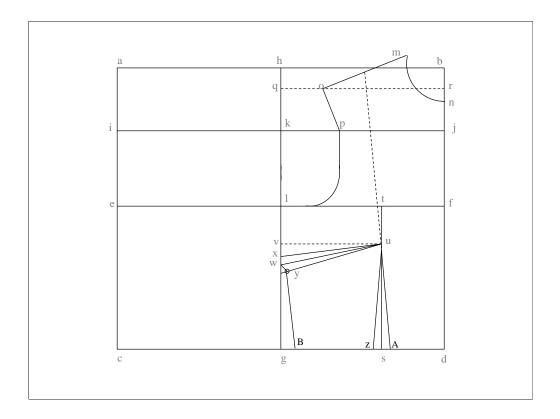
14. Measure the distance between points t and u. Mark point v that distance down from point l on line lg.

15. Mark point w the width of the bust dart down from point v on line lg.

16. Mark point $x \frac{1}{2}$ the width of the bust dart up from point w on line lg. Connect point u with point x.

17. Draw a similar line 1/2 the width of the bust dart down from point *w*.

18. Measure line ux. Mark point y on the bottom bust dart line from point u the distance of ux.



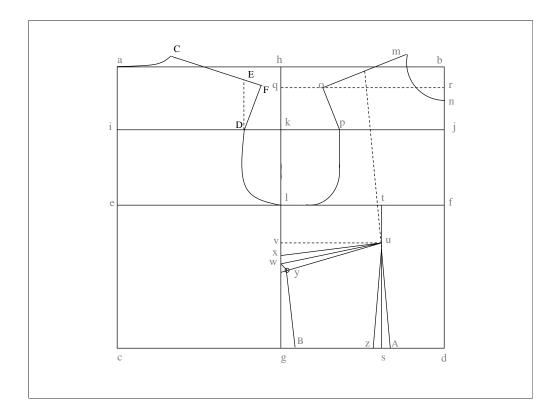
Waist Dart

19. Mark points z and A 1/2 the width of the waist dart to either side of point s. 20. Connect z and A with point u.

Waist and Side Seam

21. Mark point *B* 1/4 the waist measurement + the width of the waist dart + 1/4" from point *d* on line *cd*.

22. Connect points *y* and *B* with a straight line.



Back Neckline

23. Mark point C 2-1/2" right of point a and 1/2" up from line ab.

24. Connect points C and a with a gently curving line.

Back Neck To Shoulder

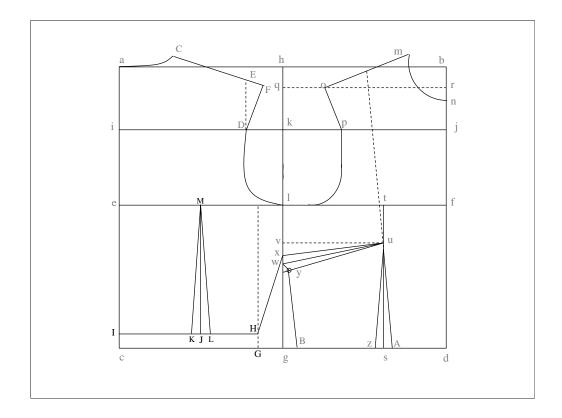
25. Mark point D right of point i on line ik 1/2 the back width measurement.

26. Mark point *E* 3" up from point *D*.

27. Place the end of your ruler on point C and angle it until it crosses point E. Mark point F at the neck to shoulder measurement.

28. Connect F and D with a straight line.

29. Connect D and l with a gently curving line.



Back Side Seam

30. Mark point G on line cd 1/4 the waist measurement + the width of the waist dart minus 1/4". Draw a straight line up from point G to line el.

31. Measure line yB. Place the end of your ruler on point x and angle it until it crosses the vertical line at the length of line yB. Label point H.

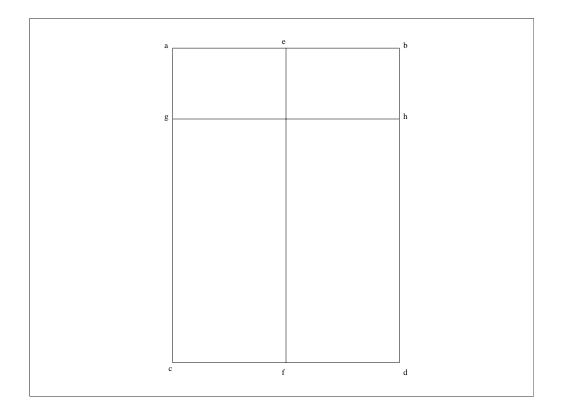
32. Draw a line from point H to line ac parallel to line cd. Label point I.

Back Waist Dart

33. Mark point J 1/2 the back width measurement + 1/2" from point I on line IH.

34. Mark point M the distance of IJ on line el. Connect points M and J with a straight line.

35. Mark points K and L 1/2 the waist dart on either side of point J. Connect points K and L to point M with straight lines.

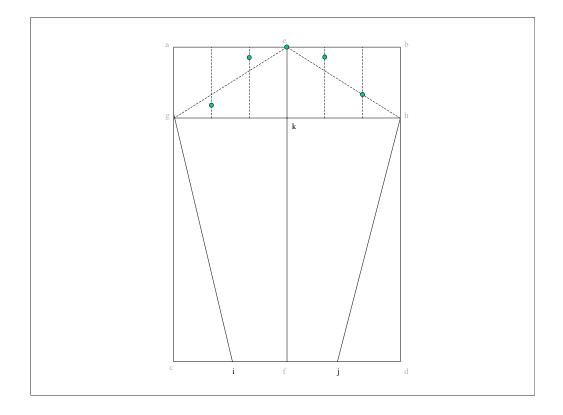


Drafting the Sleeve Sloper

1. Draw a rectangle, *abcd*, where *ab/cd* is the bicep measurement + 3", and *ac/bd* is the shoulder to wrist measurement.

2. Mark point e on line ab, halfway between points a and b. Mark point f on line cd, halfway between points c and d. Connect points e and f with a straight line.

3. Mark point g on line ac down from point a the length of the shoulder to wrist measurement minus the underarm measurement. Mark point h in the same fashion on line bd.



4. Mark point *i* on line cf, 1/2 the wrist measurement + 1/2" from point *f*. Mark point *j* on line *fd*, 1/2 the wrist measurement + 1/2" from point *f*.

5. Connect points g and i, and h and j with straight lines.

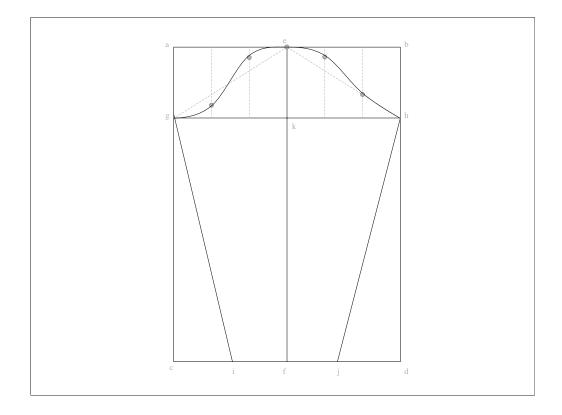
6. Connect points g and e, and points h and e with straight lines. These will be used for reference, so it is not necessary to mark them heavily.

7. Label the intersection of lines *gh* and *ef* point *k*.

8. Divide rectangles *agek* and *ekbh* vertically into three equal sections each.

9. Working from left to right, mark a point on each of the vertical reference lines, relative to the diagonal reference lines, as follows:

- 3/4 below the diagonal reference line
- 3/4 above the diagonal reference line
- point e
- 3/4 above the diagonal reference line
- at the intersection of the reference lines



10. Draw a gentle curve through each of the reference points. Left of center is the front of the sleeve. Right of center is the back of the sleeve.