

- 1.1 extension line;
- 1.2 center line;
- 1.3 hatch lines;
- 1.4 break line;
- 1.5 dimension line

- 2.1 Area = 3.14in^2 ;
- 2.2 SA= 18.85in^2 ;
- 2.3 density;
- 2.4 $V=6.28\text{in}^3$;
- 2.5 21 parts can be shipped

SKIP #3 we did not cover this content

- 4.1 D;
- 4.2 A;
- 4.3 C;
- 4.4 E;
- 4.5 B

- 5.1 C;
- 5.2 D;
- 5.3 F;
- 5.4 H;
- 5.5 L

- 6.1 G;
- 6.2 E;
- 6.3 A;
- 6.4 C;
- 6.5 J

- 7.1 120° ;
- 7.2 1.75;
- 7.3 0.975;
- 7.4 0.562;
- 7.5 0.172

- 8.1 D;
- 8.2 A;
- 8.3 C;
- 8.4 E;
- 8.5 B

- 9.1 D;
- 9.2 C;
- 9.3 A;
- 9.4 E;
- 9.5 B

10.1 Surface 1 mated with surface 6. Surface 5 mated with surface 3. Surface 2 flush with surface 4.

10.2 C inserted into hole

10.3 Constrain the angle between face A and B to 90°

10.4 There should only be one degree of freedom, the ability for B to rotate around the Z axis/

10.5 C should also be able to rotate around its Z axis. But none of the parts should be able to separate from one another.