



## MATHS

### Concept Of Line, Line Segment, Ray And Point

#### Example

1. (1) Let's draw 6 concurrent straight line and name them.



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2. 5 non-collinear points are to be drawn and find how many straight lines can be drawn through them.



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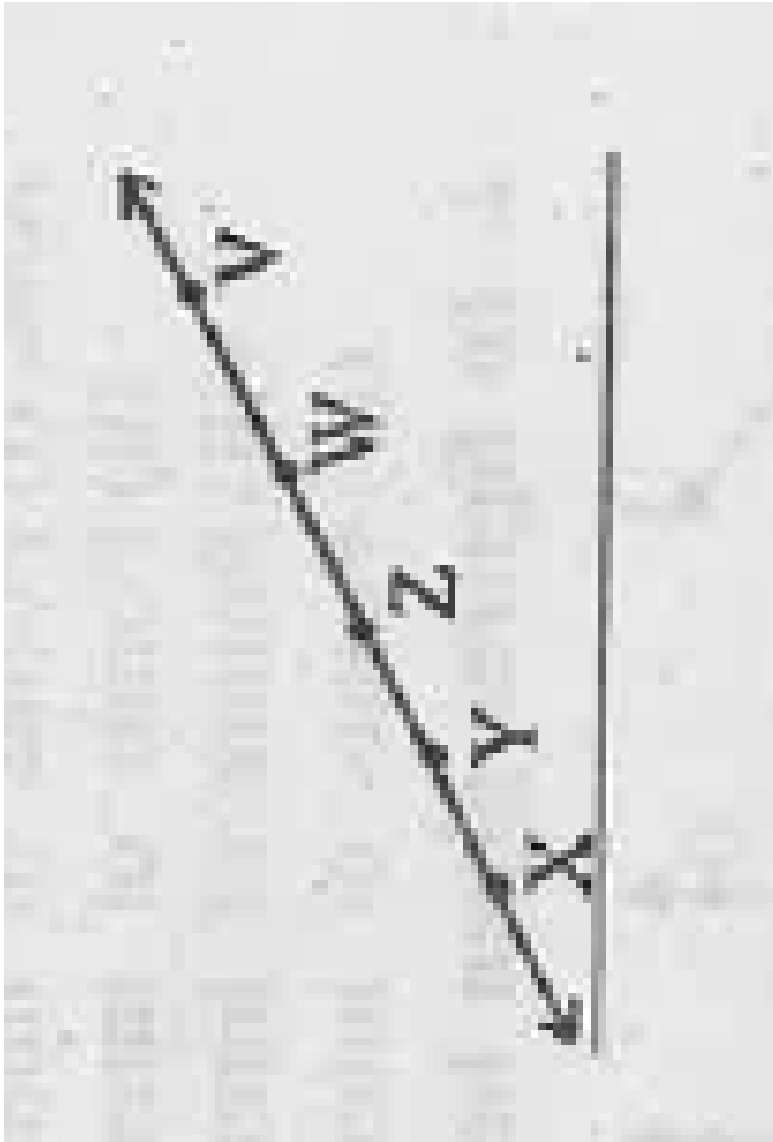
3. (3) Let's draw 5 points which are collinear.



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4. Put (  $\checkmark$  ) for correct and (  $\times$  ) for wrong answers : (i) On the line segments  $\overline{YW}$ , Y, Z

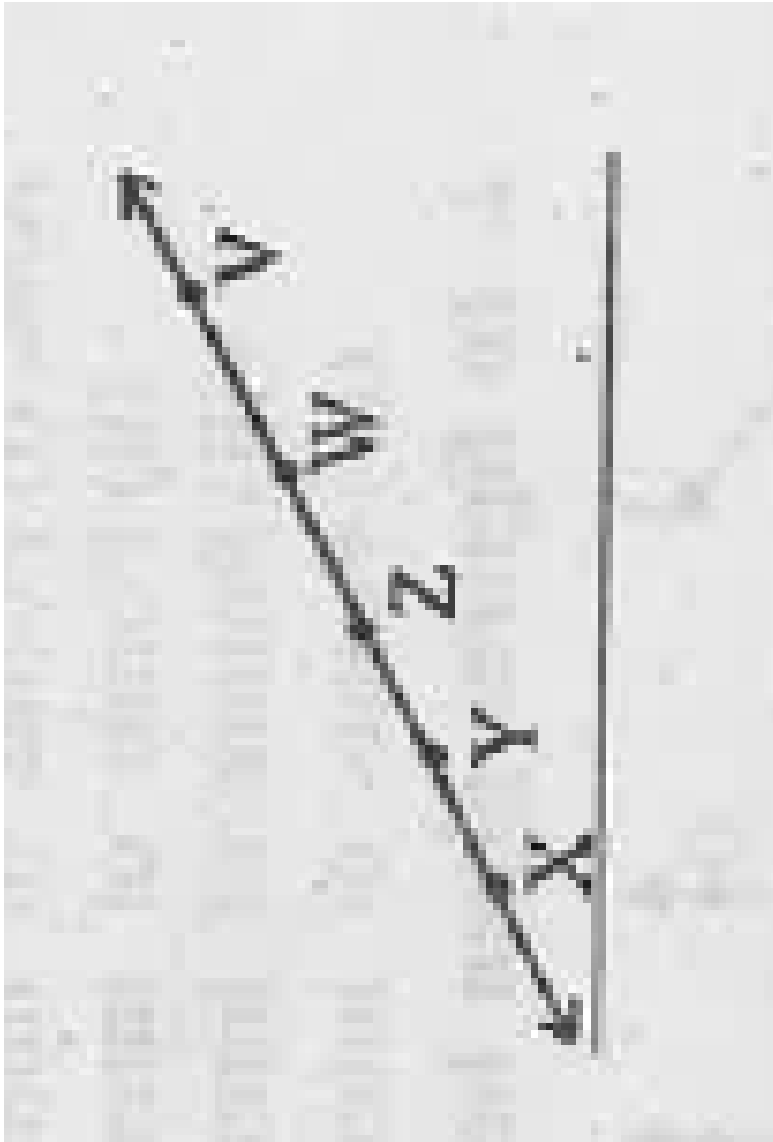
and  $W$  are collinear.



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5. Put (  $\checkmark$  ) for correct and (  $\times$  ) for wrong answers : (i) On the line segments  $\overline{YW}$ , Y, Z

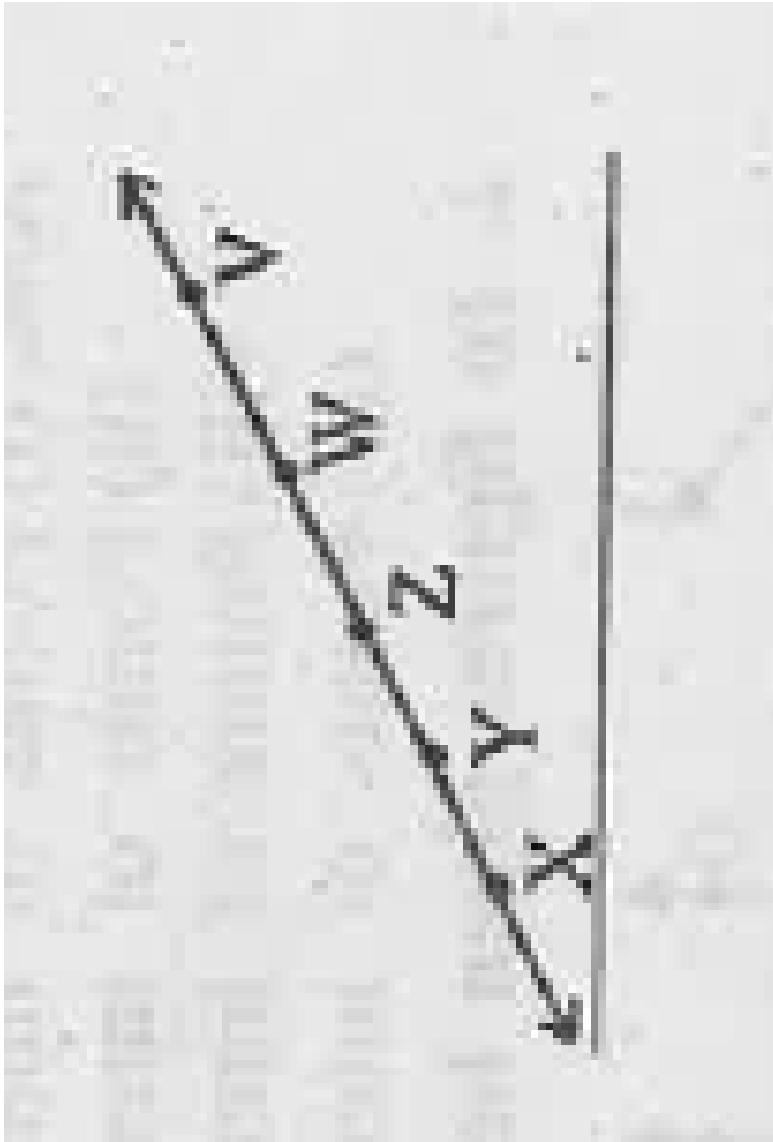
and  $W$  are collinear.



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6. Put (  $\checkmark$  ) for correct and (  $\times$  ) for wrong answers : (i) On the line segments  $\overline{YW}$ , Y, Z

and  $W$  are collinear.



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7. Let's try and find the answers : (i) How many straight lines can be drawn through one fixed point.



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8. Let's try and find the answers : (ii) How many straight lines can be drawn through two fixed points.



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9. Let's try and find the answers : (iii) How many line segments can be drawn through three non-collinear points.



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10. Let's try and find the answers : (iv) How many end points are there in a line segment  $\overline{AB}$ .



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**11.** Let's try and find the answers : (v) How many end points are there in a ray AB.



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**12.** Let's try and find the answers : (vi) Straight line, line segments and ray, Of these three which one is a fixed length.



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**13.** Let's try and find the answers : (vii) Are the  $\overline{AB}$  and  $\overline{BA}$  same?



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**14.** Let's try and find the answers : (viii) Are the line segments  $\overline{AB}$  and  $\overline{BA}$  equal? In what way they are equal.



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**15.** Let's try and find the answers : (ix) What is the maximum number of points at which two line segments can meet.



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**16.** Let's try and find the answers : (x) Lets find the maximum number of points at which three non - concurrent lines can intersect.



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17. Let's draw ourselves : (i)  $\overline{PQ}$  and  $\overline{RS}$  are two line segments intersecting at O



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18. Let's draw ourselves : (ii) Using scale, let us draw AB And CD.As two parallel line segments.



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**19.** Let's draw ourselves : (iii) Let's draw a ray MN? On which S is a point.



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**20.** Lets draw ourselves : ( iv) Let's draw, two line segments AC and DC meeting at C



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