

## Worksheet: Straight Lines

Maharashtra State Board · Class 11 · Mathematics · 3 questions · 12 marks

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_ / 12

**Q1.** Find the slope of the line passing through (2, 3) and (5, 9). Is the line rising or falling? [2 marks]

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**Q2.** Find the perpendicular distance from the point (3, 4) to the line  $3x - 4y + 5 = 0$ . [4 marks]

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**Q3.** Find the acute angle between the lines  $2x + 3y - 5 = 0$  and  $3x - 2y + 7 = 0$ . What do you conclude about these lines? [6 marks]

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