

Writing Equations of Lines Given Two Points

Write the equation of each line given two points.

1. $(3, 5)$ and $(7, 2)$

2. $(-4, 9)$ and $(2, 6)$

3. $(-8, -1)$ and $(-4, 7)$

4. $(9, 2)$ and $(3, 2)$

5. $(-6, -2)$ and $(-2, 8)$

6. $(5, 3)$ and $(5, 9)$

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Write the equation of each line given two points.

1. (3, 5) and (7, 2)

$$y = -\frac{3}{4}x + \frac{29}{4}$$

2. (-4, 9) and (2, 6)

$$y = -\frac{1}{2}x + 7$$

3. (-8, -1) and (-4, 7)

$$y = 2x + 15$$

4. (9, 2) and (3, 2)

$$y = 2$$

5. (-6, -2) and (-2, 8)

$$y = \frac{5}{2}x + 13$$

6. (5, 3) and (5, 9)

$$x = 5$$