

**[12-02-06-T]**

*Line*

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Answer in standard form.

[1] Find the equation of the line through  $P(-5, -7)$  that is parallel to the line  $2x + 6y + 1 = 0$ .

Answer in standard form.

[2] Find the equation of the line through  $P(1, 0)$  that is perpendicular to the line  $y = -x + 2$ . Answer in standard form.

[3] Find the equation of the line through  $P(3, 8)$  that is parallel to the line  $y = -3x + 2$ . Answer in standard form.

[4] Find the equation of the line through  $P(2, -5)$  that is perpendicular to the line  $y = \frac{1}{2}x - 6$ .

Answer in standard form.