

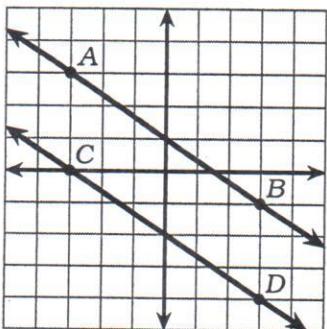
What Did the Policeman Tell The Burglar in the Bathroom?

 Find the answer for each exercise in the adjacent answer columns. Write the letter of the exercise in the box containing the number of the answer.

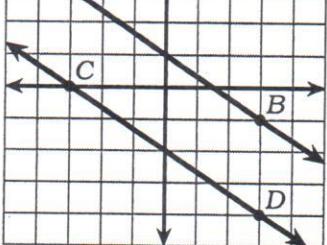


Part 1. Write the equation of the line indicated.

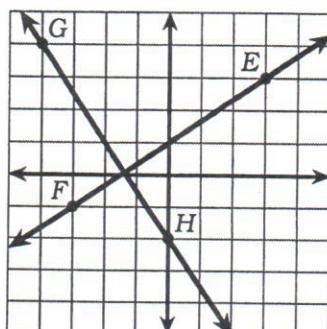
U Equation of \overleftrightarrow{AB}



O Equation of \overleftrightarrow{CD}



I Equation of \overleftrightarrow{EF}



S Equation of \overleftrightarrow{GH}

Part 2. Write the slope of a line parallel to the given line.

T $y = \frac{7}{4}x - 2$

U $y = 8 - 3x$

18 $\frac{12}{5}$

O $-5x + y = 12$

A $4x + 7y = 21$

6 5

Part 2 Answers
8 $\frac{7}{4}$ **10** $-\frac{7}{4}$

21 $-\frac{4}{7}$ **26** -3

Part 3. Write the slope of a line perpendicular to the given line.

E $y = -\frac{5}{4}x + 1$

H $y = 6x + 11$

3 $\frac{5}{4}$

Part 3 Answers
23 $-\frac{3}{8}$ **13** $-\frac{1}{6}$

O $2x + 5y = 40$

T $8x - 3y = 15$

16 $\frac{5}{2}$

4 $\frac{4}{5}$ **15** $-\frac{8}{3}$

Part 4. Write an equation for the line that is parallel to the given line and that contains the given point.

J $y = 3x - 4; (2, 7)$

1 $y = -4x + 1$

Part 4 Answers
18 $y = \frac{5}{3}x - 3$

Y $y = -\frac{1}{2}x + 5; (4, -5)$

12 $y = -\frac{1}{2}x - 1$

10 $y = 3x + 1$

C $4x + y = -9; (-2, 9)$

9 $y = -x + 2$

19 $y = -4x - 7$

R $-5x + 3y = 6; (-3, -8)$

15 $y = -\frac{1}{2}x - 3$

27 $y = -x - 4$

P $x + y = 7; (-4, 0)$

7 $y = 3x - 2$

14 $y = \frac{5}{3}x - 8$

Part 5. Write an equation for the line that is perpendicular to the given line and that contains the given point.

U $y = -\frac{1}{3}x + 4; (2, 5)$

14 $y = -\frac{5}{2}x + 7$

3 $y = \frac{2}{3}x + 4$

T $y = \frac{2}{5}x - 3; (2, -3)$

20 $y = -4x - 5$

25 $y = 3x - 5$

P $y = \frac{x}{4} + 15; (-3, 7)$

9 $y = -\frac{1}{5}x + 5$

12 $y = -\frac{5}{2}x + 2$

M $3x + 2y = -10; (-9, -2)$

19 $y = -4x - 3$

7 $y = 3x - 1$

N $5x - y = 16; (0, 0)$

22 $y = -\frac{1}{5}x$

5 $y = \frac{2}{3}x + 6$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
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