

Unit 3 Day 0 Review Worksheet

What Did the Policeman Tell The Burglar in the Bathroom?

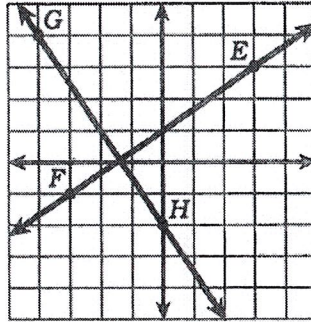
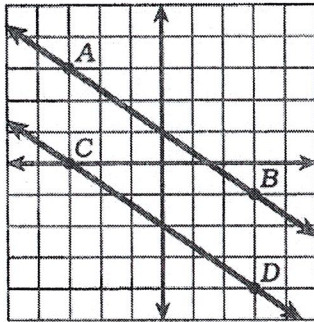


Find the answer for each exercise in the adjacent answer column. Write the letter of the exercise in the box containing the number of the answer.



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 1 Answers

- 11 $y = \frac{2}{3}x + 1$
- 17 $y = -\frac{2}{3}x + 1$
- 24 $y = -\frac{3}{2}x - 2$
- 20 $y = -\frac{3}{2}x + 1$
- 2 $y = -\frac{2}{3}x - 2$

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 $\frac{5}{4}$
- O $2x + 5y = 40$
- T $8x - 3y = 15$
- 16 $\frac{5}{2}$

Part 3 Answers

- 23 $-\frac{3}{8}$
- 13 $-\frac{1}{6}$
- 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.

- I $y = 3x - 4; (2, 7)$
- Y $y = -\frac{1}{2}x + 5; (4, -5)$
- C $4x + y = -9; (-2, 9)$
- R $-5x + 3y = 6; (-3, -8)$
- P $x + y = 7; (-4, 0)$
- 1 $y = -4x + 1$
- 12 $y = -\frac{1}{2}x - 1$
- 9 $y = -x + 2$
- 15 $y = -\frac{1}{2}x - 3$
- 7 $y = 3x - 2$

Part 4 Answers

- 18 $y = \frac{5}{3}x - 3$
- 10 $y = 3x + 1$
- 19 $y = -4x - 7$
- 27 $y = -x - 4$
- 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 $y = -\frac{1}{3}x + 4; (2, 5)$
- T $y = \frac{2}{5}x - 3; (2, -3)$
- P $y = \frac{x}{4} + 15; (-3, 7)$
- M $3x + 2y = -10; (-9, -2)$
- N $5x - y = 16; (0, 0)$
- 14 $y = -\frac{5}{2}x + 7$
- 20 $y = -4x - 5$
- 9 $y = -\frac{1}{5}x + 5$
- 19 $y = -4x - 3$
- 22 $y = -\frac{1}{5}x$

Part 5 Answers

- 3 $y = \frac{2}{3}x + 4$
- 25 $y = 3x - 5$
- 12 $y = -\frac{5}{2}x + 2$
- 7 $y = 3x - 1$
- 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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