FMP10
Unit 5 Equation Writing Practice

Write the equation of the line with the given characteristics. Answers in the form(s) requested.

1. Slope -3 and y-intercept 4. [slope-intercept & general form]

2. Slope $\frac{2}{3}$ and point (-6, 1). [slope-point & slope-intercept form]

3. Points (6, -4) and (0, 4). [slope-point & general form]

4. Slope $-\frac{3}{2}$ and x-intercept 3. [slope-intercept form]

5. X-intercept -4 and y-intercept 5. [slope-point form]

6. Parallel to $x - 3 = 0$ and point (-2, 5). [general form]

7. Perpendicular to $x + 5 = 0$ and point (3, 4). [general form]

8. Parallel to $y = -2x + 4$ and same y-intercept as $y = x - 3$. [slope-intercept form]

9. Perpendicular to $3x + 2y = 6$ and point (3, -4). [slope-point form]

10. Parallel to $x - 3y + 6 = 0$ with the same x-intercept as $y = 2x + 8$. [general form]

11. Perpendicular to $3x = 4y + 12$ with the same y-intercept as $y + 3 = 2x$. [all forms]