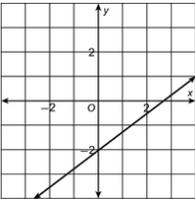
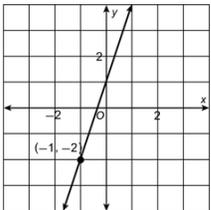


FCPS REVIEW ACA 1

Question Number	Question
1	<p>Which of the sets shown include the elements of Set Z that are both even and multiples of 3? $Z = \{5, 6, 7, 8, 9, 10, 12\}$</p>
2	<p>Order the numbers from least to greatest.</p> $\sqrt{\frac{60}{6}}, 2.9, \sqrt{8}, \pi$
3	<p>What is the value of x in the equation? $8x - 4(x - 6) + 8 = 44$</p>
4	<p>The sum of three consecutive integers is 78. What are the three numbers?</p>
5	<p>Identify whether no, one, or infinitely many solutions exist for this equation. $4(t + 4) - 2t = 5t + 10 - 3(t - 2)$</p>
6	<p>Solve $y = mx + b$ for x.</p>

7	<p>Solve the inequality.</p> $3(x - 2) + 1 \geq x + 2(x + 2)$
8	<p>Graph the solution of the inequality on a number line.</p> $2x - (3 - x) > x + 1$
9	<p>Solve the compound inequality.</p> $3(2x - 5) < 15 \text{ or } 4(2x - 1) > 12$
10	<p>What is the equation of the graph in slope-intercept form?</p> 
11	<p>What is the equation of the line through $(-4, 8)$ and $(4, 6)$</p>
12	<p>Zachary purchased a computer for \$1,800. He pays \$150 a month. What is a line equation that represents the amount Zachary still has to pay after x weeks?</p>
13	<p>What is the equation for a horizontal line that passes through $(5, -3)$?</p>

14	<p>Write the equation for the graph in point-slope form.</p> 
15	<p>Write the equation in point-slope form of the line that passes through $(4, -11)$ and has a slope of $\frac{3}{4}$.</p>
16	<p>What is an equation in point-slope form of the line that passes through $(-2, -8)$ and $(2, 4)$?</p>
17	<p>Identify the x-intercept and the y-intercept of the graph of $4x - 5y = 80$.</p>
18	<p>Jung-Soon has \$25 to spend on prizes for a game at the school fair. Lip balm cost \$1.25 each, and mini-notebooks cost \$1.50 each. Write a linear equation that can be used to determine how many of each prize she can buy.</p>
19	<p>What is the equation in slope-intercept form of the line that passes through $(-9, 4)$ and is parallel to the graph of $y = \frac{2}{3}x + 19$?</p>
20	<p>What is the y-intercept of the line $y - 7 = -4(x - 1)$?</p>