

By the end of the unit, it is expected that you will:	☺ EXCELLENT	☹ LOOK OVER	☹ NO CLUE
<p>C6. Relate linear relations expressed in:</p> <ul style="list-style-type: none"> • slope–intercept form ($y = mx + b$) • general form ($Ax + By + C = 0$) • slope–point form ($y - y_1 = m(x - x_1)$) to their graphs. <p>QUESTIONS:</p> <p>1. Rewrite the point-slope equation $y-5=3(x+6)$</p> <p style="text-align: right;">into general form: _____</p> <p style="text-align: right;">into slope-intercept form _____</p> <p>2.</p> <p>The line $y - 2 = \frac{1}{2}(x - 5)$ passes through which point on the graph?</p> <p>A. A B. B C. C D. D</p>			
<p>C7. Determine the equation of a linear relation, given:</p> <ul style="list-style-type: none"> • a graph • a point and the slope • two points • a point and the equation of a parallel or perpendicular line to solve problems. <p>QUESTIONS:</p> <p>1. Find the equation of a line parallel to $2x+7y=10$ with the same x-intercept as $3x-5y=5$</p> <p>2.</p> <p>Determine the slope-intercept form of the line that passes through the point $(-4, 3)$ and is parallel to the line segment that joins A $(-1, -5)$ and B $(-3, 1)$.</p> <p>A. $y = -3x - 9$ B. $y = -3x + 5$ C. $y = -3x + 15$ D. $y = 3x + 15$</p>			
<p>C8. Represent a linear function, using function notation.</p> <p>QUESTIONS:</p> <p>1. Re-write this equation in slope intercept form and using function notation:</p> $2x - 5y - 10 = 0$ <p>2.</p> <p>The cost C, in dollars, to rent a car is determined by the formula $C(k) = 0.15k + 22$, where k is the number of kilometres driven. Calculate the value of k if $C(k) = 166$. Answer to the nearest kilometre.</p> <p>Record your answer neatly on the Answer Sheet.</p>			

HOMWORK

Textbook Section / Pages	MANDATORY	OPTIONAL
5.1 a/ p.194-195	1,2odd,3odd,4odd,5odd,6odd	2-6 even
5.1 b/ p.196-198	7,8,9odd,10abcd,11ac	9 even , 11 bd
5.2 / p.202-206	1,2,3ac,4odd,5odd,6aceh,7aceh,8(in class),9	3bd, 4 even, 5 even, 6 , 7 , 12
5.3 / p.208-212	1acehi,2aef,3ijk,4ac,5ac,6,10	1,2,3,4,5,7,8,9
5.4 / p.215-217	4,6,10,15	1-15
5.5 / p.220-227	2odd,3even,4ac,5c,6c,9ad,11,13b,15	2,3,4,5,6,7,8,9,11,14
REVIEW / p.228-232	PRACTICE TEST / Chapter Review	1-19