Honors I – Chapters 3 & 4 PRACTICE Test

SHOW ALL YOUR WORK

B(2) = 20











14. Find the equation for the line that is parallel to

$$y = \frac{1}{3}x + 4$$
 and goes through the point $(1, -2)$.
 $y = -2 + \frac{1}{3}(x - 1)$
or
 $y = \frac{1}{3}x - \frac{7}{3}$
15. Find the equation for the line that is perpendicular to
 $y = \frac{1}{3}x + 4$ and goes through the point $(1, -2)$.
 $y = -2 - 3(x - 1)$
 $y = -2 - 3(x - 1)$
 $y = -3x + 1$
16. The cost for a large sno cone at the fair is \$4 and the cost for a small sno cone is \$2. Let $x =$ number of large cones
and $y = number of small cones$. Write an equation relating the money spent on large and small cones if one has
\$20 to spend.
Equation: $\frac{4x + 2y = 20}{2}$
Now, name three different combinations of small and large cones that can be purchased.
Combination 1: $(0, 10)$
Combination 2: $(5, 0)$
For the problems below, use the table and graph shown to the right.
17. Plot the points, draw in a line of best fit and find an equation for your line of
best fit. $(-1, 5) + (2, 0)$
 $y = -\frac{5}{3}(x-2)$
18. Use your equation to estimate the value of y when x is 20.
 $y = -\frac{5}{3}(20) + \frac{15}{3} = -\frac{10}{3} + \frac{10}{3} = -\frac{5}{3}$
19. Describe whether each graph should produce a
positive, negative or no correlation when plotted.
a) Graph comparing geaxs of education and entry salary.
 $Po \leq 1 + VC$
b) Graph comparing elevation and entry salary.
 $Po \leq 1 + VC$
b) Graph comparing height and GPA.
 $Po \leq 1 + VC$
c) Graph comparing height and GPA.
 $Po \leq 1 + VC$
b) Graph comparing height and GPA.
 $Po \leq 1 + VC$
c) Graph comparing height and GPA.
 $Po \leq 1 + VC$
c) Graph comparing height and GPA.
 $Po \leq 1 + VC$
c) Graph comparing height and GPA.
 $Po \leq 1 + VC$
c) Graph comparing height and GPA.
 $Po \leq 1 + VC$
c) Graph comparing height and GPA.
 $Po \leq 1 + VC$
c) Graph comparing height and GPA.
 $Po \leq 1 + VC$
c) Graph comparing height and GPA.
 $Po \leq 1 + VC$
c) Graph comparing height and GPA.
 $Po \leq 1 + VC$
c) Graph comparing height and GPA.
 $Po \leq 1 + VC$
c) Graph comparing height and GPA.
 $Po \leq 1 + VC$
c) Graph comparing height and GPA.