worksheet week of October 10 (11468419)

Current Score: 0/13

Question	1	2	3	4	5	6	7	8	9	10	Total
	0/3	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/2	
Points											**0/13**

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1.   0/3 points   SPreCalc7 1.10.002. [3213438]

A line has the equation $y = 4x + 1$.

     (a) This line has slope [＿＿＿＿].

     (b) Any line parallel to this line has slope [＿＿＿＿].

     (c) Any line perpendicular to this line has slope [＿＿＿＿].

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2.   0/1 points   SPreCalc7 1.10.012. [3253668]

Find the slope of the line through P and Q.

     $P(-7, 1)$, $Q(4, -2)$

[＿＿＿＿]

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3.   0/1 points   SPreCalc7 1.10.023.MI. [3213511]

Find an equation of the line that satisfies the given conditions.

     Slope 10; y-intercept -5

[＿＿＿＿＿＿＿＿]

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4.   0/1 points   SPreCalc7 1.10.027.MI. [3213607]

Find an equation of the line that satisfies the given conditions.

     Through $(3, 5)$;   slope $\dfrac{2}{3}$

[＿＿＿＿＿＿＿＿]

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5.   0/1 points   SPreCalc7 1.10.030.MI. [3213328]

Find an equation of the line that satisfies the given conditions.

     Through $(-1, -3)$ and $(6, 4)$

[＿＿＿＿＿＿＿＿]

6.   0/1 points   SPreCalc7 1.10.033.MI. [3213290]

Find an equation of the line that satisfies the given conditions.

x-intercept 1; y-intercept -6

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7.   0/1 points   SPreCalc7 1.10.039. [3197935]

Find an equation of the line that satisfies the given conditions.

Through $(1, 3)$;   parallel to the line $y = 4x - 8$

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8.   0/1 points   SPreCalc7 1.10.040. [3197884]

Find an equation of the line that satisfies the given conditions.

Through $(-3, 5)$;   perpendicular to the line $y = -\frac{1}{3}x + 1$

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9.   0/1 points   SPreCalc7 1.10.049.MI. [3213489]

Find an equation of the line that satisfies the given conditions.

Through $(4, 8)$; parallel to the line passing through $(5, 6)$ and $(1, 2)$

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10.   0/2 points   SPreCalc7 1.10.092.MI. [3213388]

Biologists have observed that the chirping rate of crickets of a certain species is related to temperature, and the relationship appears to be very nearly linear. A cricket produces 120 chirps per minute at 70°F and 168 chirps per minute at 80°F.

(a) Find the linear equation that relates the temperature t and the number of chirps per minute n.

(b) If the crickets are chirping at 150 chirps per minute, estimate the temperature. (Round your answer to the nearest degree.)
°F

Assignment Details

Name (AID): **worksheet week of October 10 (11468419)**   **Feedback Settings**
Submissions Allowed: **10**   Before due date
Category: **Quiz**   Question Score
Code: Assignment Score
Locked: **No**   Question Part Score
Author: **Watson, Stephen (** watson@mathstat.yorku.ca **)**   Mark
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