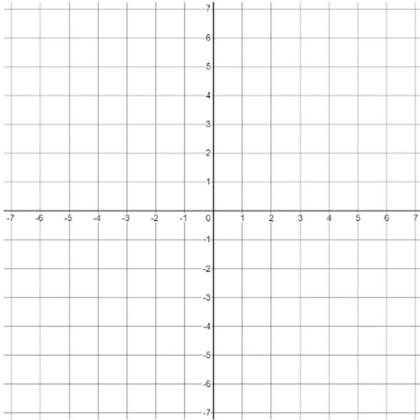


Geometry – 3.5 Worksheet #2

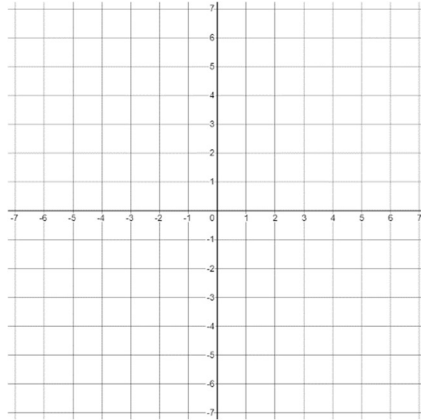
Name: _____ Hour: _____

Graph the following lines.

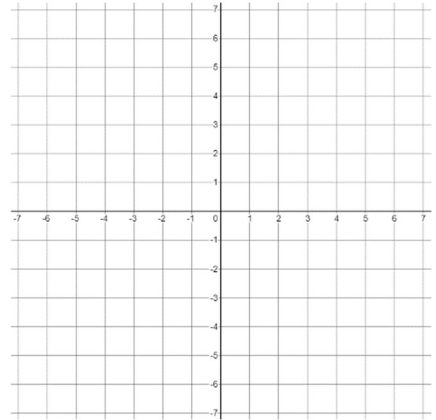
1. $y = -\frac{5}{2}x + 3$



2. $y = 4x - 5$



3. $y = \frac{3}{5}x$



State the slope and y-intercept of the following lines given in slope-intercept form.

4. $y = -6x + \frac{1}{4}$

Slope: _____

y-intercept: _____

5. $y = \frac{7}{5}x - 11$

Slope: _____

y-intercept: _____

6. $y = -\pi x - \frac{13}{9}$

Slope: _____

y-intercept: _____

7. $y = \frac{1}{8}x$

Slope: _____

y-int: _____

Find the slope of the indicated line with the information provided.

8. Two lines named n and b are perpendicular. Line n has a slope of $-\frac{21}{5}$. What is the slope of Line b ?

9. Line A and B are perpendicular. Line A's slope is undefined. What is the slope of Line B? (Do some thinking before asking for help on this one)

10. Line K and M are parallel. The equation for line M is $y = \frac{3}{4}x - 16$. What is the slope of Line K?

11. Line P passes through points $(4, 9)$ and $(-3, 1)$ and is perpendicular to line J. What is the slope of Line J?

12. Line T is parallel to Line R. Line R is horizontal. What is the slope of line T?

13. Line O and V are perpendicular and Line V passes through the points $(-1, 7)$ and $(6, -2)$. What is the slope of Line O?

14. Two lines are parallel. One line passes through the origin and $(10, -7)$. What is the slope of the second line?