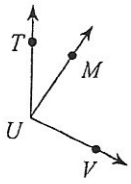
HW Geometry Ch3 [Module 4 Test Practice]

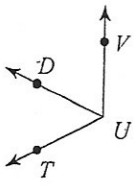
Name _____ ID: 1

Date _____ Period ____

1) $m\angle MUV = 80°$, $m\angle TUV = 11x + 15$, and $m\angle TUM = 3x + 7$. Find $m\angle TUM$.



2) $m\angle TUD = x + 64$, $m\angle TUV = 117°$, and $m\angle DUV = 77 + x$. Find $m\angle DUV$.



ANSWERS

1) _____

2) _____

3)<mea.: _____

Type of <'s _____

4)<mea.: _____

Type of <'s _____

5)<mea.: _____

Type of <'s _____

6) m= _____

y-int: _____ | x-int: _____

7) m= _____

y-int: _____ | x-int: _____

8) _____

9) _____

10) _____

11) _____

12) _____

13) m= _____

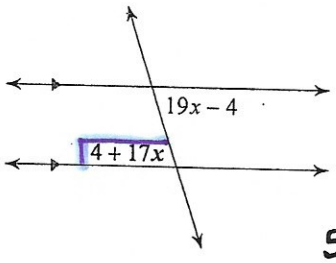
y-int: _____ | x-int: _____

14) m= _____

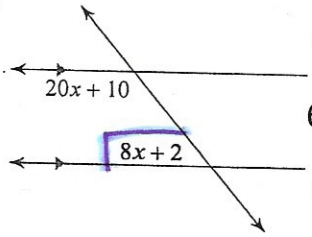
y-int: _____ | x-int: _____

① Find the measure of the angle indicated in bold.
② Name the relation between the angles

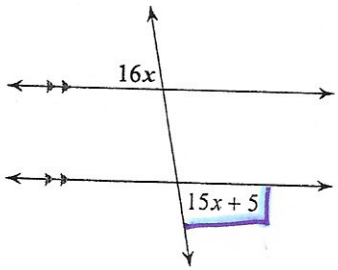
3)



4)

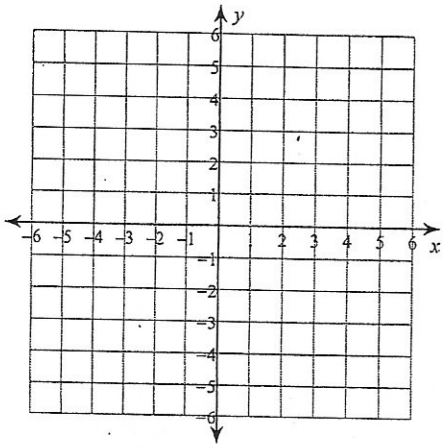


5)

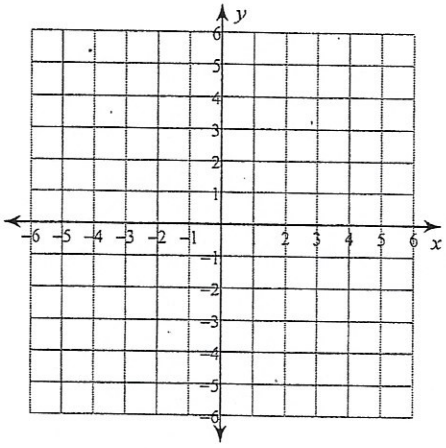


Sketch the graph of each line.

6) $3x - 2y = -2$



7) $x + y = 2$



Write the slope-intercept form of the equation of the line through the given points.

8) through: $(0, 3)$ and $(-1, 4)$

Write the slope-intercept form of the equation of the line described.

9) through: $(-1, -2)$, parallel to $y = -x - 1$

10) through: $(-5, 1)$, perp. to $y = -2x + 5$

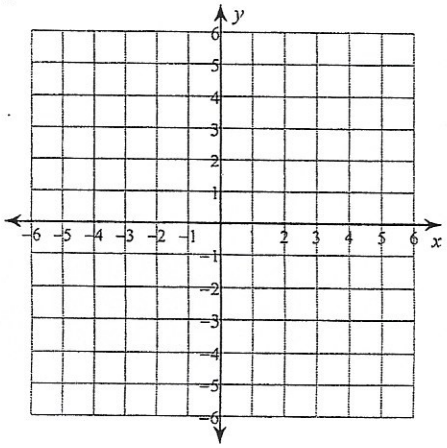
Write the slope-intercept form of the equation of the line described.

11) through: $(-5, -5)$, parallel to $y = \frac{2}{5}x - 4$

12) through: $(2, -1)$, perp. to $y = \frac{2}{5}x$

Sketch the graph of each line.

13) $4x - 5y = 25$



14) $7x + 3y = -15$