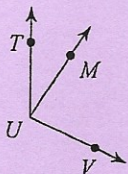
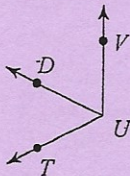


[Module 4 Test Practice]

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



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



ANSWERS

1) 34°

2) 65°

3) <mea.: 72°

Type of <'s AIA

4) <mea.: 50°

Type of <'s SST

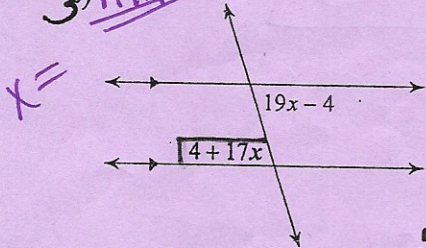
5) <mea.: 80°

Type of <'s AEA

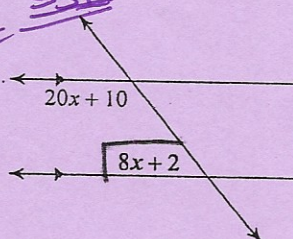
① Find the measure of the angle indicated in **bold**.

② Name the relation between the angles.

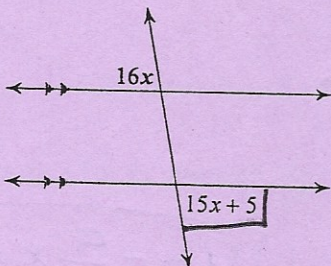
3) AIA



4) SST



5)



6) $m = \frac{3}{2}$

y-int: (0, 1) | x-int: (-2/3, 0)

7) $m = -1$

y-int: (0, 2) | x-int: (2, 0)

8) $y = -x + 3$

9) $y = -x - 3$

10) $y = \frac{1}{2}x + \frac{7}{2}$

11) $y = \frac{2}{5}x - 3$

12) $y = -\frac{5}{2}x + 4$

13) $m = \frac{4}{5}$

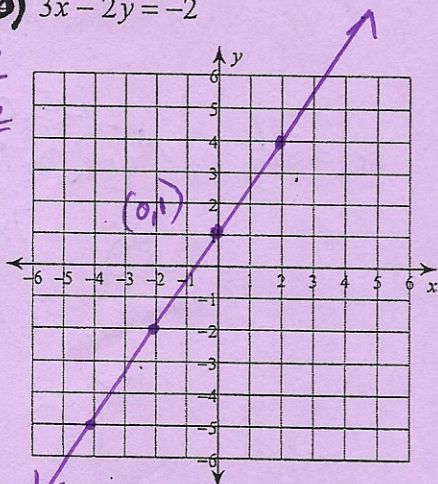
y-int: (0, -5) | x-int: (25/4, 0)

14) $m = -\frac{7}{3}$

y-int: (0, 5) | x-int: (-15/7, 0)

Sketch the graph of each line.

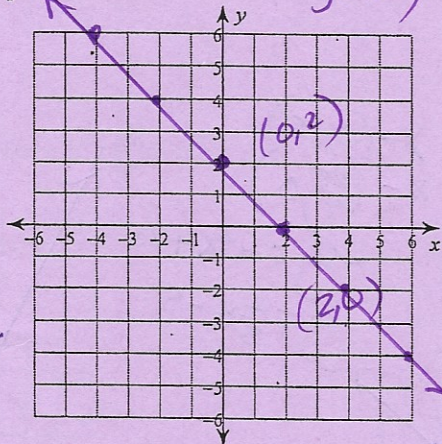
6) $3x - 2y = -2$
x-int: $3x = -2$
 $x = -\frac{2}{3}$



$$-2y = \frac{-3x - 2}{-2}$$

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

7) $x + y = 2$ $m = -1$
x(2, 0)
y(0, 2)



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

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

$$y = -x + 3$$

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

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

$$y = -x - 3$$

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

$$y = \frac{1}{2}x + \frac{7}{2}$$

$(-5, 1)$
 $\perp m = \frac{1}{2}$

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

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

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

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

$$y = -\frac{5}{2}x + 4$$

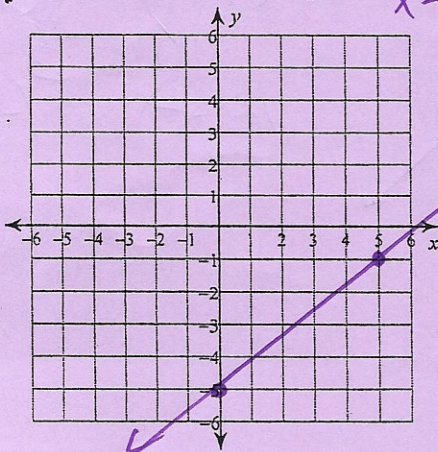
$(2, -1)$
 $m = -\frac{5}{2}$

Sketch the graph of each line.

13) $4x - 5y = 25$

$m = \frac{4}{5}$
 $y - (0, -5)$
 $x - (\frac{25}{4}, 0)$

$-5y = -4x + 25$
 $y = \frac{4}{5}x - 5$



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

$m = -\frac{7}{3}$

$x - (\frac{-15}{7}, 0)$
 $y - (0, -5)$

$3y = -\frac{7}{3}x - \frac{15}{3}$
 $y = -\frac{7}{3}x - 5$

