

Math 8 Honors - Meets 5th period today (A-day)

16-11-08-T8-Honors

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

1) through: $(-1, -2)$ and $(3, -4)$

2) through: $(0, 5)$ and $(-3, -4)$

3) through: $(3, 2)$ and $(4, -2)$

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

Write the standard form of the equation of the line through the given points.

5) through: $(2, 0)$ and $(4, 0)$

6) through: $(-4, 3)$ and $(4, -1)$

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

8) through: $(5, 3)$ and $(4, -2)$

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

9) through: $(-5, -3)$ and $(-4, 0)$

10) through: $(0, -3)$ and $(5, -2)$

11) through: $(2, 3)$ and $(0, -1)$

12) through: $(-2, 5)$ and $(0, -3)$

Write the standard form of the equation of the line described.

13) through: $(4, -3)$, parallel to $y = -\frac{1}{4}x - 5$

14) through: $(-4, 4)$, parallel to $y = -\frac{3}{4}x + 5$

15) through: $(5, -3)$, parallel to $y = -\frac{4}{5}x - 4$

16) through: $(2, -1)$, parallel to $y = \frac{1}{2}x - 5$

Write the slope-intercept form of the equation of each line given the slope and y-intercept.

17) Slope = 1, y-intercept = 5

18) Slope = -1, y-intercept = 3

Write the standard form of the equation of each line given the slope and y-intercept.

19) Slope = $-\frac{8}{5}$, y-intercept = 5

20) Slope = $\frac{6}{5}$, y-intercept = 1

21) Slope = $\frac{9}{5}$, y-intercept = 5

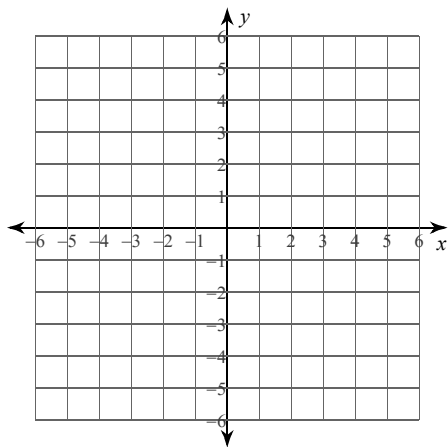
22) Slope = $\frac{1}{4}$, y-intercept = -4

23) Slope = $-\frac{8}{5}$, y-intercept = -5

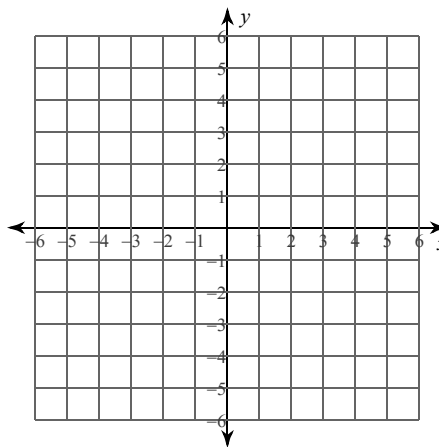
24) Slope = $-\frac{7}{5}$, y-intercept = -3

Sketch the graph of each line.

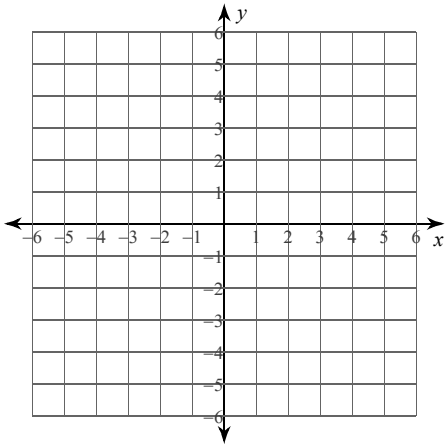
25) x-intercept = -1, y-intercept = 3



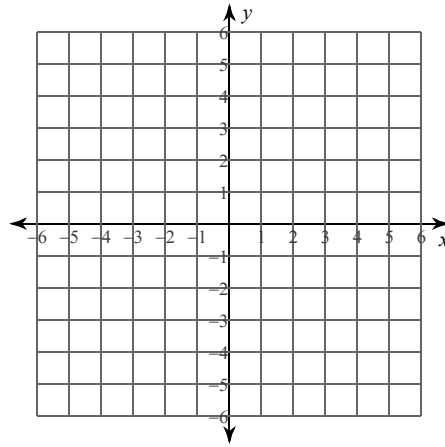
26) x-intercept = 2, y-intercept = 5



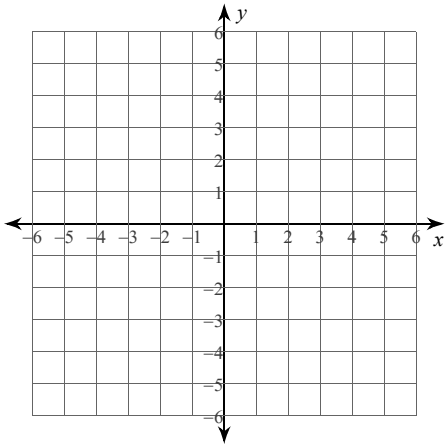
27) $6x - 5y = -25$



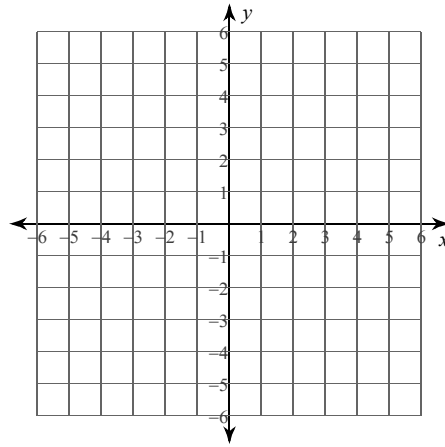
28) $5x - y = 5$



29) $y = 3x - 4$



30) $y = -3$



Answers to 16-11-08-T8-Honors

1) $y + 2 = -\frac{1}{2}(x + 1)$

2) $y - 5 = 3x$

3) $y - 2 = -4(x - 3)$

4) $y + 1 = -5x$

5) $y = 0$

6) $x + 2y = 2$

7) $x - y = 1$

8) $5x - y = 22$

9) $y = 3x + 12$

10) $y = \frac{1}{5}x - 3$

11) $y = 2x - 1$

12) $y = -4x - 3$

13) $x + 4y = -8$

14) $3x + 4y = 4$

15) $4x + 5y = 5$

16) $x - 2y = 4$

17) $y = x + 5$

18) $y = -x + 3$

19) $8x + 5y = 25$

20) $6x - 5y = -5$

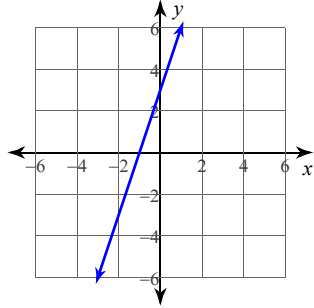
21) $9x - 5y = -25$

22) $x - 4y = 16$

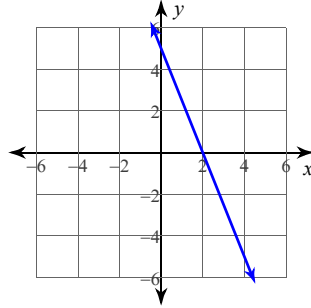
23) $8x + 5y = -25$

24) $7x + 5y = -15$

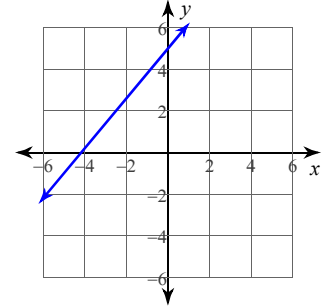
25)



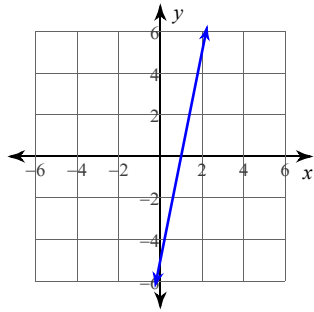
26)



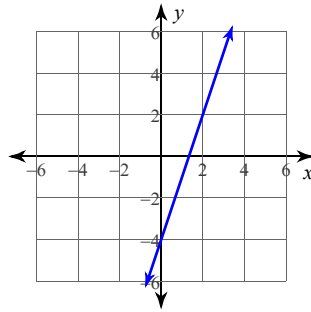
27)



28)



29)



30)

