- Work sample assessment Tues. 10/21
- Thurs. 10/23 unit test (4, \$5)
- Skills Tests L & a need to be passed by Fri. 10/24

Work sample assessment:

- · Word problem
- · plot points
- . Write equation
- graph lines
- · Use a linear equation

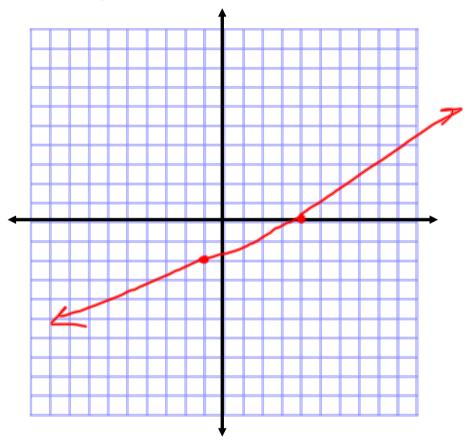
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Unit test:
   41, 42, 43, 45 4.7
    5.1, 5.2, 5.5
   · Plot points
   . Graph lines
       → table (x,y coord.)
       -> X + y interrept
   · Write equations
       > from a graph > from 2 points
        -> slope + 1 paint
   Find equations of parallel and
     perpendicular lines
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QVIZ:

1. Write the equation of the line that passes through (3,4) and has a slope of
$$-\frac{2}{3}$$
 $y = \frac{2}{3}x + b$
 $y = \frac{2}{3}x + 6$

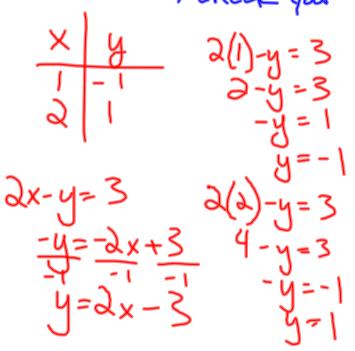
2. Write equation of a line perpendicular to the line graphed by $y = \frac{4}{3}x + 7$

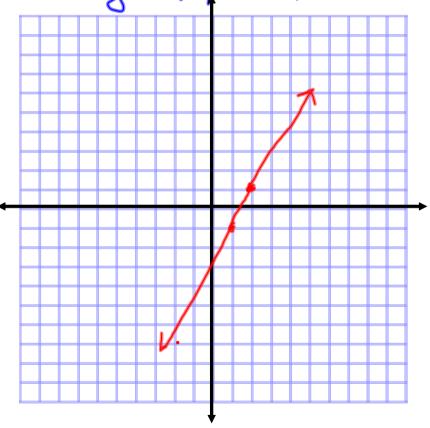
3. Graph the line with an x-intercept of 4 that goes through the point (-1,-2)



4. Graph the following equation: 2x-y=3— Use the "table" x, y cool method

- scheck your work using slope (interest





Through the points
$$(9,2)$$
 3

$$M = \frac{2 - 1}{4 - 6} = \frac{3}{10}$$

$$2 = \frac{3}{10}(4) + 6$$

$$y = \frac{3}{10}x + \frac{4}{5}$$

$$y = \frac{3}{10}x + b$$

$$\frac{10}{50} - \frac{10}{15} = 0$$

$$y = \frac{3}{10} \times + b$$

$$\frac{20}{10} - \frac{12}{10} = b$$
6. What is the slope of the line that

$$M = \frac{y_a - y_i}{x_2 - x_i} = \frac{6 - 3}{7 - 0} = \frac{3}{7}$$

$$6=m(7)+3$$

$$y = Mx + b$$

$$y = Mx + 3$$

$$\frac{7n - 3}{7}$$

7. Write the egostion of the line that goes through the points (7,6) and (7,3) $M = \frac{9z-9}{x_2-x_1} = \frac{6-3}{7-7} = \frac{3}{0} = \text{undefined}$

8 Fortress can bench piess 140 pounds. He is 15 Mr. Bregar can bench press 275 pounds He is (a young) 38

Assuming that the relationship between age and amount bench-pressed is linear.

- 1 Write the equation of the line Copounds as Ronation of age the
- 2. Graph the line
- 3. How much can Mr. Kanter bench? (he is 25)

$$\frac{276-140}{38-15} = \frac{135}{23}$$

$$\frac{135}{38-15} = \frac{135}{23}$$

$$\frac{135}{23} \times 15$$

$$\frac{135}{23} \times 15$$

$$\frac{140 = \frac{135}{23}(15) + 15}{23} \times 15$$

$$\frac{140 = \frac{2025}{23} + 15}{23} \times 15$$

$$\frac{1325}{23} = \frac{1195}{23} = \frac{1195}$$

