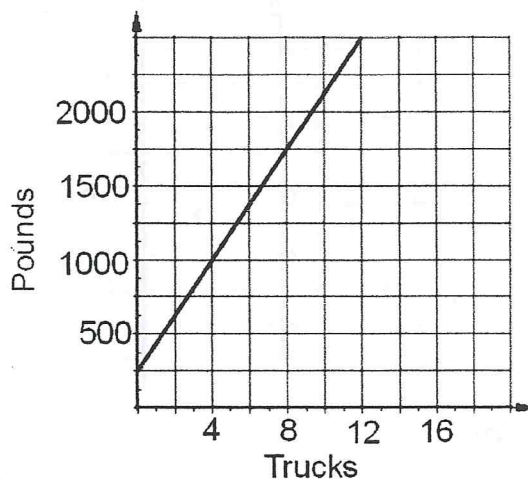# Algebra 1   Review Quiz #1: Sec 6-1. 6-2. 6-4   Spring 2014

1. Find the rate of change for each problem. Make sure you include units with your answer.
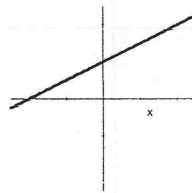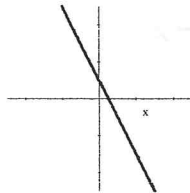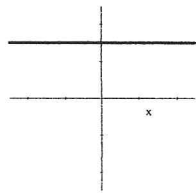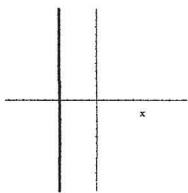
b)

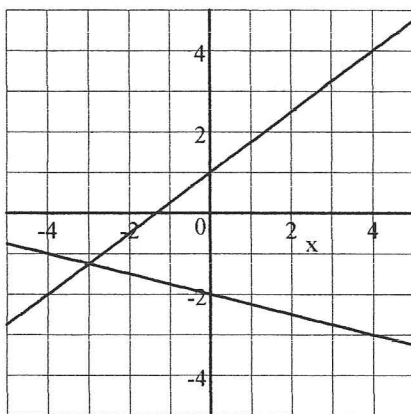| Age (yrs)	Income ($)
24	29,500
29	40,750
a) 31	45,250

2. Tell if the slope of each line is Positive, Negative, Zero, or Undefined.

a)   b)   c)   d)

3. Find the slope of the 2 lines in the graph. Leave fractional answers in reduced form.

4. Find the slope of the line that passes through each pair of points. Leave fractional answers in reduced form.
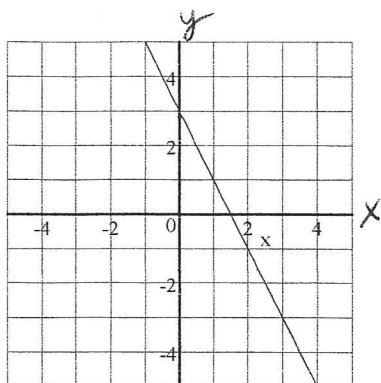
a) $(16,3) \& (8,5)$ b) $(-7,1) \& (3,1)$ c) $(6,-8) \& (6,2)$ d) $(-5,13) \& (3,-7)$

5. Write the equation of the line that passes through each pair of points in both Point-Slope Form and Slope-Intercept Form
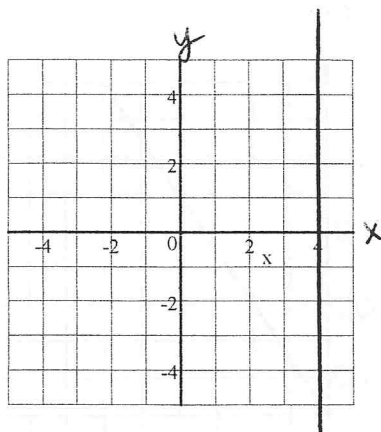
a) $(-4,19) \& (5,-26)$ b) $(-6,4) \& (9,14)$

1

6. Write the equation of the line in each graph in Slope-Inercept Form.
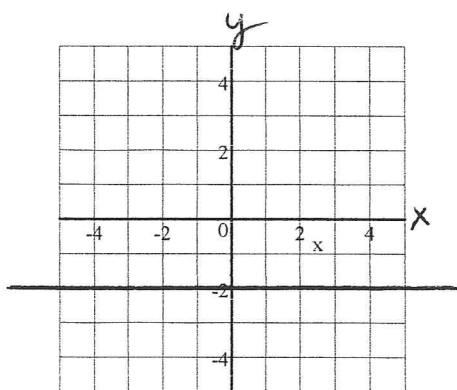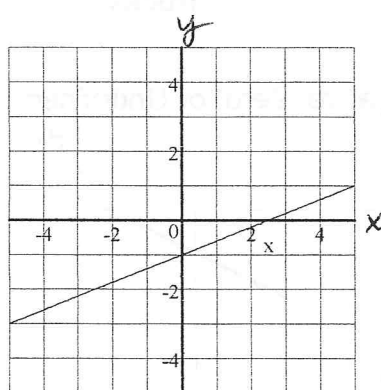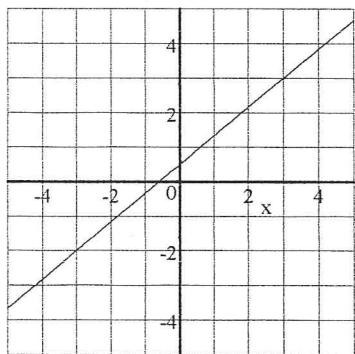
a)

b)

c)

d)

7. Write the equation of the line shown in Point-Slope Form

8. Graph each line using at least three points.

a) $y = \frac{1}{4}x - 3$ b) $y = 2x$ c) $y = -x + 1$

d) $y = -\frac{4}{3}x - 2$ d) $y + 2 = \frac{1}{2}(x - 3)$