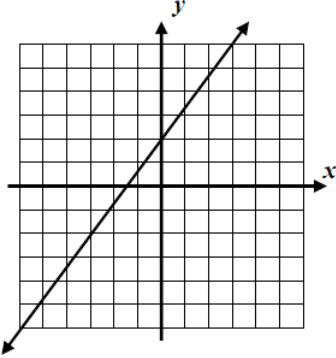


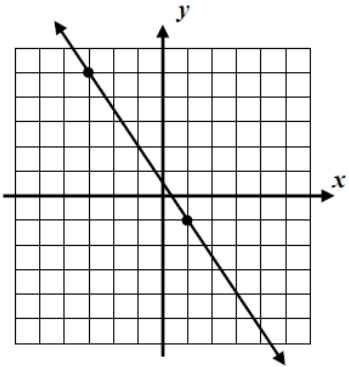
Name: _____
Date: _____
Class: _____

Algebra
Unit 3
HW 3-4

1) Find the equation for the following line:



2) Find the equation for the following line:



3) Find the equation of a line that passes through $(1, 7)$ and $(4, 22)$

4) A steady snow fall is coming down outside. Prestel decides to measure the depth of the snow on the ground. After 4 hours, the snow is at a depth of 9 inches and after 8 hours it is at a depth of 14 inches.

Find an equation for this snow fall using y as inches and hours as x

5) Find the equation of a line with $(5, 0)$ as one of its points and $\frac{7}{4}$ as its slope.

6) Graph $x = -3$ and $y = 4$ on the same graph. Where do they intersect (if they do)?

7) List 4 points that would be on the line $7x - 4y = 14$

8) If a day care company must have 3 aides for every 14 kids, what is the maximum number of kids they could have on a day they had 7 aides working?