Warm-Up Review for Benchmark Assessment   Name: _____

1) Write the equation of the lines graphed.   2) Graph the following equations.
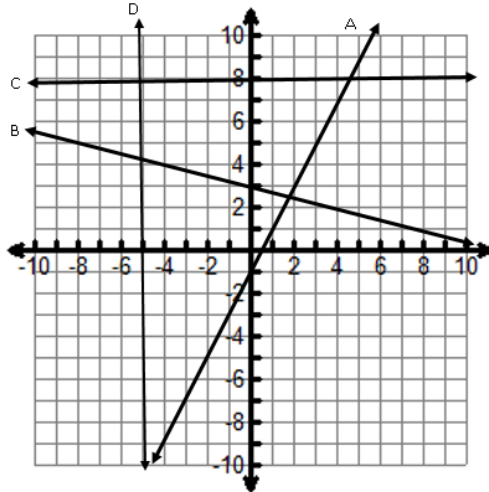
A) _____   A) $y = -\frac{2}{3}x + 4$ m : _____   b: _____

B) _____   B) $3x - 9y = -18$ y-int _____ ; x-int _____

C) _____   C) $y - 4 = 3(x + 5)$ m: _____   point : _____

D) _____
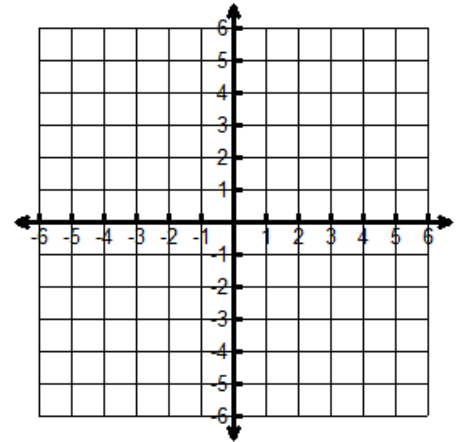
3) Each hour Grace hikes 2 miles of a 15 mile hike. Write a linear equation to represent the number of miles that Grace has left to hike after *x* hours.

        Equation: _____

4) Courtney has to empty 324 flower pots from a truck. She can remove 18 in an hour. Write a linear equation to represent the number of flower pots that Courtney has left to remove after x hours.

        Equation: _____

5) Nick is riding his bike in the mid-west. His total trip covers 450 miles. He can bike 30 miles per day. Write a linear equation to represent the number of miles that Nick has left to bike after *x* days.

        Equation: _____

6) Each day, Will reads 25 pages of a 450-page book. Write a linear equation to represent the number of pages Will has left to read after x days.

        Equation: _____

7) Karsen needs to buy 120 candy bars for an incentive.   Kit-Kats come in packages of 6 and Snickers come in packages of 8. Write an equation in standard form that determines the number of x packages of Kit-Kats and y packages of Snickers that she can buy.

        Equation : _____

8) Jake needs to buy 180 beverages for a party. What equation, in standard form, determines the number x of 8-packs of juice and the number y of 12-packs of water that Jake can buy?

        Equation: _____

9) Sophia is buying 300 plants for her garden. Tulips are sold in packs of 10 and daffodils are sold in packs of 5. What equation, in standard form, determines the number x of tulips and the number y of daffodils that Sophia can buy?

        Equation : _____