Math 2 Chapter 4 Practice Quiz #7

1. Without graphing, find the x- and y-intercept of

(a) $y = \frac{1}{4}x - 8$

x-intercept (____ , 0)
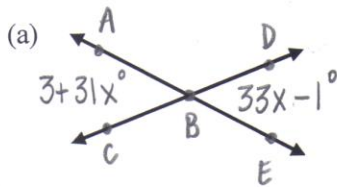
y-intercept (0 , ____)
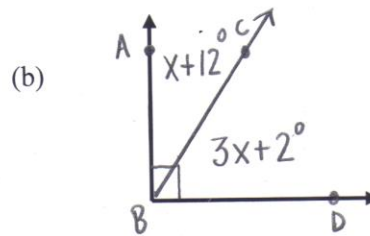
(b) $y = \frac{3}{5}x - 9$

x-intercept (____ , 0)

y-intercept (0 , ____)

2. Find the value of x and the $m\angle ABC$.

(a)

$3 + 31x°$ $33x - 1°$
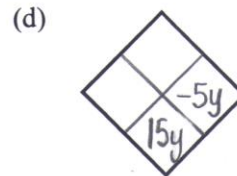
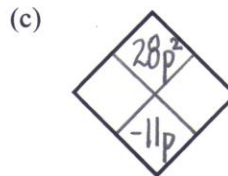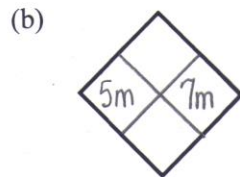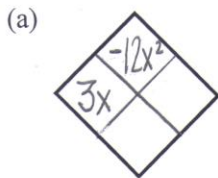x = _____

$m\angle ABC =$ _____

(b)

$x + 12$ $3x + 2°$

x = _____

$m\angle ABC =$ _____

3. What is the complement and supplement of 77°?

Complement _____

Supplement _____

4. Solve the diamond problems.

(a) $-12x^2$, $3x$

(b) $5m$, $7m$

(c) $28p^2$, $-11p$

(d) $-5y$, $15y$

5. Name the angle pair relationship between each pair of angles.

(a) $\angle 10$ and 11 _____

(b) $\angle 13$ and $\angle 14$ _____