$$2x+y=-15$$
 $y-5x=6$ 
 $y=5x=6$ 
Solve by substitution
$$u=15x+6$$

$$3x + 5x + 6 = -15$$

$$7x = -21$$

$$7 = -3$$

$$1 = -3$$

$$1 = -3$$

$$1 = -3$$

$$1 = -3$$

$$1 = -3$$

$$1 = -3$$

P. 477 (19) 
$$x + 6y = 28$$
  $2x - 3y = -19$  (use elimination)

$$2(x + 6y = 28)$$

$$2x + 12y = 56$$

$$-2x + 3y = +19$$

$$3x - 15 = -19$$

$$4x - 15 = -19$$

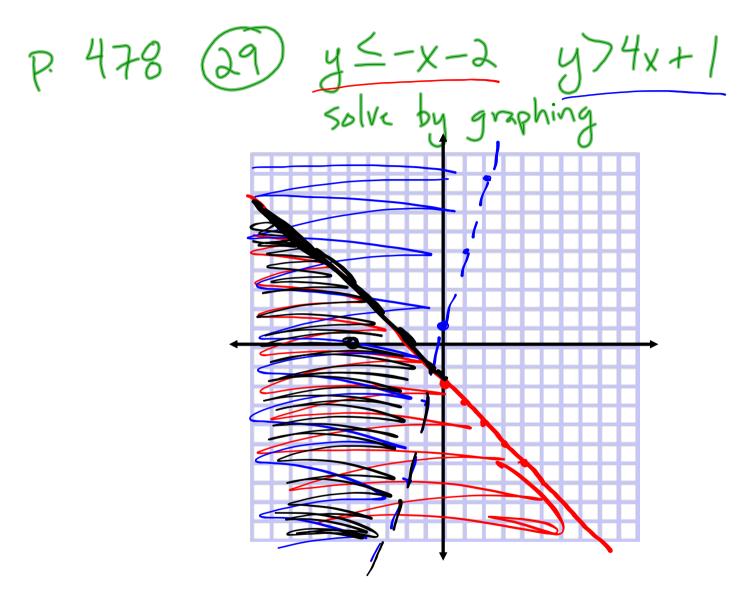
$$2x = -19$$

$$3x = -19$$

$$2x = -19$$

$$3x =$$

$$2x-3(5)=-19$$
 $2x-15=-19$ 
 $15=-19$ 
 $15=-19$ 
 $15=-19$ 
 $15=-19$ 
 $15=-19$ 
 $15=-19$ 
 $15=-19$ 
 $15=-19$ 
 $15=-19$ 
 $15=-19$ 



P. 618 (29) 
$$3t^2 - 33t = 0$$
 Solve  $3t(t-11) = 0$   $3t = 0$   $t-11 = 0$   $t = 0$   $t = 11$ 

p. 619 
$$(47)$$
  $-4r^2 = 18r + 18$  solve by factoring  $-18r - 18 = 0$ 

$$\frac{-4r^2 - 18r - 18}{-2} = 0$$

$$2r^3 + 9r + 9 = 0$$

$$(2r + 3)(r + 3) = 0$$

$$2r + 3 = 0$$

$$r + 3 = 0$$

$$r = -3$$

$$r = -3$$

$$r = -3$$

$$p.620$$
 (50)  $z^2 - 225$  (54)  $x^2 + 20x + 100$  (2+15) (2-15) (X+10) (X+10)

p. 697 (10) gaph y=-2x2+8x+5  $y = -\frac{b}{2a} = -\frac{8}{2(2)^3} = 2$   $y = -2(2)^3 + 8(2) + 5$  = -8 + 16 + 5 = 13 Vertex: 3,13y=-2(1)2+8(1)+5 =-2+8+5  $y = -2(0)^{2} + 8(0) + 5$ 

p. 699 (25) 
$$2m^{3} + 7m - 3 = 0$$
 goadratic formula
$$-\frac{5 \pm 5 + 3 + 4}{3a}$$

$$-\frac{7 + 5 + 3 + 4}{4}$$

$$-\frac{7 + 5 + 3}{4}$$

$$-\frac{7 + 5 + 3}{4}$$