

QUIZ 7 HINT: ALWAYS SEE SEC. EXAMPLES/NOTES**SEC. 7.3 ELIMINATION METHODS; *ADD OR SUBTRACT MULTIPLES OF EQUATIONS***

1.

$$x + y = 5$$

$$x - y = 3$$

HINT: SEE SEC. EXAMPLES/NOTES

2.

$$x - y = 3$$

 $2x - 3y = -1$ HINT: MULTIPLY FIRST EQUATION BY 2, 3, -2 OR -3. THEN COMBINE WITH SECOND EQUATION.**SEC. 7.4 SOLVE THE NEXT PROBLEMS USING THE SUBSTITUTION OR ELIMINATION METHOD:****3. Sunflower seed is worth \$1.00 per pound and rolled oats worth \$1.35 per pound. How much of each (in pounds---do no forget units) WOULD YOU USE TO MAKE 50 POUNDS OF A MIXTURE WORTH \$1.14 PER POUND?****4. DR. ZEKE'S COUGH SYRUP IS 2 % ALCOHOL . VIBRABRITE COUGH SYRUP IS 5 % ALCOHOL. HOW MUCH OF EACH TYPE SHOULD BE USED IN ORDER TO MAKE AN 80-OZ BATCH OF COUGH SYRUP THAT IS 3% ALCOHOL?****SEC. 7.5 *GRAPH SHOWING SHADED REGIONS* IN X-Y PLANE****5. GRAPH $y > x - 3$. USE TEST POINTS****6. GRAPH $x + y > 5$. USE TEST POINTS****7. GRAPH $y < 4$** **8. GRAPH $x < -4$** **9. GRAPH $x > 0$** **10. GRAPH $y < 0$** **11. GRAPH $y < x$. USE TEST POINTS****12. GRAPH $y < x + 1$. USE TEST POINTS**











