

Practice: Solving Word Probs. w/ Sys. of Equations Date_____ Period_____

- 1) DeShawn and Julia are selling fruit for a school fundraiser. Customers can buy small boxes of oranges and large boxes of oranges. DeShawn sold 11 small boxes of oranges and 4 large boxes of oranges for a total of \$64. Julia sold 10 small boxes of oranges and 4 large boxes of oranges for a total of \$60. Find the cost each of one small box of oranges and one large box of oranges.
- 2) Darryl and Joe are selling wrapping paper for a school fundraiser. Customers can buy rolls of plain wrapping paper and rolls of shiny wrapping paper. Darryl sold 5 rolls of plain wrapping paper and 2 rolls of shiny wrapping paper for a total of \$69. Joe sold 5 rolls of plain wrapping paper and 6 rolls of shiny wrapping paper for a total of \$137. What is the cost each of one roll of plain wrapping paper and one roll of shiny wrapping paper?
- 3) Molly and Jose are selling pies for a school fundraiser. Customers can buy apple pies and blackberry pies. Molly sold 12 apple pies and 11 blackberry pies for a total of \$274. Jose sold 6 apple pies and 9 blackberry pies for a total of \$186. What is the cost each of one apple pie and one blackberry pie?
- 4) Stefan and Kim each improved their yards by planting rose bushes and geraniums. They bought their supplies from the same store. Stefan spent \$72 on 12 rose bushes and 12 geraniums. Kim spent \$22 on 4 rose bushes and 3 geraniums. Find the cost of one rose bush and the cost of one geranium.
- 5) Shreya and Mark each improved their yards by planting hostas and shrubs. They bought their supplies from the same store. Shreya spent \$31 on 5 hostas and 3 shrubs. Mark spent \$71 on 11 hostas and 8 shrubs. Find the cost of one hosta and the cost of one shrub.
- 6) Jaidee and James each improved their yards by planting daylilies and ivy. They bought their supplies from the same store. Jaidee spent \$60 on 8 daylilies and 9 pots of ivy. James spent \$61 on 7 daylilies and 10 pots of ivy. What is the cost of one daylily and the cost of one pot of ivy?
- 7) A plane traveled 948.6 miles to Riyadh and back. The trip there was with the wind. It took 8.5 hours. The trip back was into the wind. The trip back took 17 hours. What is the speed of the plane in still air? What is the speed of the wind?
- 8) Sarawong and Perry are selling cheesecakes for a school fundraiser. Customers can buy pecan cheesecakes and strawberry cheesecakes. Sarawong sold 9 pecan cheesecakes and 6 strawberry cheesecakes for a total of \$171. Perry sold 4 pecan cheesecakes and 12 strawberry cheesecakes for a total of \$246.80. What is the cost each of one pecan cheesecake and one strawberry cheesecake?