

### 1.3A BINGO

Name: \_\_\_\_\_

**Directions:** Pick three squares. Write a system of inequalities to represent the constraints (restrictions) of the situation.

<p>You are grocery shopping and plan to buy some fruit. An apple costs \$2 and a banana costs \$1.</p> <p>A: # of apples B: # of bananas</p> <ul style="list-style-type: none"> <li>You have to buy at least 3 apples.</li> <li>You want at least 2 bananas.</li> <li>You buy at most 8 items.</li> </ul>	<p>Your family is going to the movies and you are buying the tickets. An adult ticket costs \$6 and a child ticket costs \$4.</p> <p>A: # of adult tickets C: # of child tickets</p> <ul style="list-style-type: none"> <li>You have to buy at least 2 adult tickets.</li> <li>You have to buy at least 4 child tickets.</li> <li>You can spend at most \$60.</li> </ul>	<p>You have a piñata with Kit Kats and Reeses at your birthday party.</p> <p>K: # of Kit Kats R: # of Reeses</p> <ul style="list-style-type: none"> <li>There are at most 70 candies in the piñata.</li> </ul>
<p>Lydia has a coin jar with just dimes and quarters.</p> <p>D: # of dimes Q: # of quarters</p> <ul style="list-style-type: none"> <li>There are at most 100 coins in the jar.</li> </ul>	<p>The local gym charges a fee for playing a club sport. Basketball costs \$2 per week and soccer costs \$3 per week.</p> <p>B: # of weeks playing basketball S: # of weeks playing soccer</p> <ul style="list-style-type: none"> <li>You can play no more than 4 weeks of basketball.</li> <li>You can play at least 2 weeks of soccer.</li> <li>You want to spend at most \$30.</li> </ul>	<p>You have two jobs and want to save some money. You make \$7 per hour raking leaves and \$9 per hour babysitting.</p> <p>R: # of hours raking leaves B: # of hours babysitting</p> <ul style="list-style-type: none"> <li>You can work at most 14 hours per week.</li> <li>You want to save at least \$40.</li> </ul>
<p>You are trying to raise money for a school play and want to sell cookie dough. Chocolate chip dough costs \$10 per tub and snickerdoodle dough costs \$12 per tub.</p> <p>C: # of tubs of chocolate chip dough S: # of tubs of snickerdoodle dough</p> <ul style="list-style-type: none"> <li>You want to sell at least 4 chocolate chip tubs.</li> <li>You want to sell at least 5 snickerdoodle tubs.</li> </ul>	<p>A pie contains raspberries and blueberries.</p> <p>R: # of pounds of raspberries B: # of pounds of blueberries</p> <ul style="list-style-type: none"> <li>There are at most 4 pounds of raspberries and blueberries in the pie.</li> </ul>	<p>Michael has an iTunes gift card and wants to buy some music and TV shows. Music costs \$1 per song and TV shows cost \$3 per show.</p> <p>S: # of songs T: # of TV shows</p> <ul style="list-style-type: none"> <li>He wants to buy at least 3 songs.</li> <li>He wants to buy at most 4 shows.</li> <li>He spends no more than \$20.</li> </ul>

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