

# Nonproportional Relationship

Name \_\_\_\_\_ Date \_\_\_\_\_

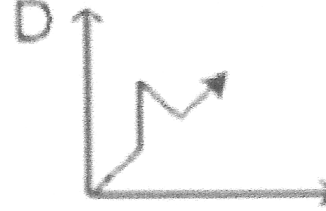
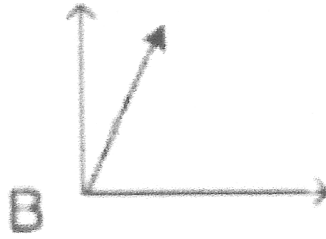
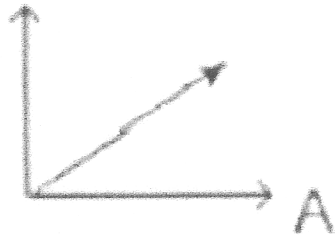
For cards 1 - 5 determine which relationship in each of the "Quads" (sets of 4) represents a Non proportional relationship. Write down its letter (A, B, C, or D) and briefly explain why it is non - proportional.

Card Set	Non proportional relationship (letter)	Explain why it is non proportional.
Set 1		
Set 2		
Set 3		
Set 4		
Set 5		

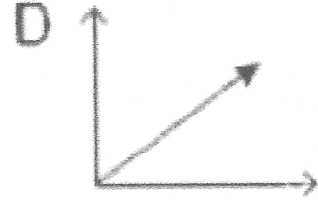
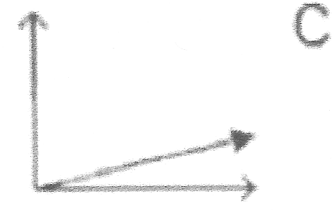
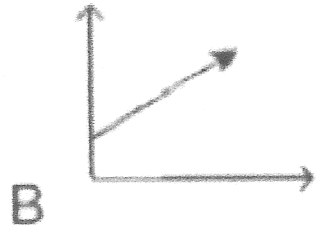
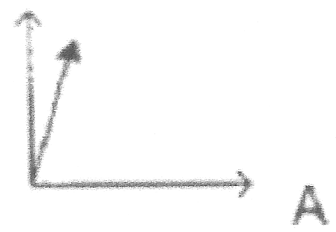
For card 6 Mark the quadrant that does not fit with the other three quadrants. Explain why the relationship is incorrect.

Card set	Which one does not belong.	Explain why the relationship is incorrect.
Set 6		

CARD SET 1



CARD SET 2



CARD SET 3	
$Y = 2x + 3$ <p style="text-align: center;">A</p>	$y = 1/2x$ <p style="text-align: center;">B</p>
$y = 3.5x$ <p style="text-align: center;">C</p>	$y = 4x$ <p style="text-align: center;">D</p>

CARD SET 4																							
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**CARD SET 5**

MOVIE TICKETS AT TINSELTOWN COST \$9.75 PER CHILD	VERIZON WIRELESS CHARGES \$19.99 PER MONTH FOR UNLIMITED TEXT MESSAGES
<b>A</b>	<b>B</b>
<b>C</b>	<b>D</b>
CINGULAR WIRELESS CHARGES \$9.99 PER MONTH PLUS A SIGN UP FEE OF \$50 FOR UNLIMITED TEXT MESSAGES	MICHAEL WORKS AS A CASHIER AT WEGMANS AND EARNS \$8.75 PER HOUR.

**CARD SET 6**

<p>THE TABLE BELOW SHOWS THE NUMBER OF PARTS A MACHINE ON AN ASSEMBLY LINE FOR DIFFERENT NUMBER OF HOURS.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">NUMBER OF PARTS</td> <td style="padding: 2px;">234</td> <td style="padding: 2px;">390</td> <td style="padding: 2px;">624</td> <td style="padding: 2px;">936</td> <td style="padding: 2px;">1170</td> </tr> <tr> <td style="padding: 2px;">NUMBER OF HOURS</td> <td style="padding: 2px;">3</td> <td style="padding: 2px;">5</td> <td style="padding: 2px;">8</td> <td style="padding: 2px;">12</td> <td style="padding: 2px;">15</td> </tr> </table> <p>ARE THE NUMBER OF PARTS PROPORTIONAL TO NUMBER OF HOURS?</p>	NUMBER OF PARTS	234	390	624	936	1170	NUMBER OF HOURS	3	5	8	12	15	<p>JONATHAN EARNED \$9960 COMMISSION ON \$124500 IN TOTAL SALES IN JUNE. IN JULY, HE EARNED \$13480 ON \$168500 IN TOTAL SALES. IS HIS COMMISSION PROPORTIONAL TO HIS TOTAL SALES?</p>
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<p>THE TABLE SHOWS THE DIFFERENT SIZES AND PRICES FOR FROSTED FLAKES. IS THE PRICE PROPORTIONAL TO THE SIZE?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="padding: 2px;">SIZE (OUNCES)</th> <th style="padding: 2px;">SIZE (\$)</th> </tr> <tr> <td style="padding: 2px;">14</td> <td style="padding: 2px;">2.94</td> </tr> <tr> <td style="padding: 2px;">18</td> <td style="padding: 2px;">3.96</td> </tr> <tr> <td style="padding: 2px;">24</td> <td style="padding: 2px;">5.29</td> </tr> <tr> <td style="padding: 2px;">32</td> <td style="padding: 2px;">6.40</td> </tr> </table>	SIZE (OUNCES)	SIZE (\$)	14	2.94	18	3.96	24	5.29	32	6.40	<p>IS BRITISH POUNDS PROPORTIONAL TO US DOLLARS?</p> <div style="text-align: center;"> <p>Money Exchange <span style="float: right;">x</span></p> </div>		
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