



## The Doctor's Dark Journey to Rate of Change Practice

Find the Rate of Change on these Graphs

F1     m = ____	F2     m = ____	F3     m = ____	F4     m = ____

Find the Rate of Change on these Graphs

F5 <table border="1" style="margin: auto; border-collapse: collapse;"> <tr><th>x</th><th>y</th></tr> <tr><td>0</td><td>0</td></tr> <tr><td>5</td><td>0</td></tr> <tr><td>10</td><td>0</td></tr> <tr><td>15</td><td>0</td></tr> <tr><td>20</td><td>0</td></tr> </table>	x	y	0	0	5	0	10	0	15	0	20	0	F6 <table border="1" style="margin: auto; border-collapse: collapse;"> <tr><th>x</th><th>y</th></tr> <tr><td>-2</td><td>0</td></tr> <tr><td>-1</td><td>0</td></tr> <tr><td>0</td><td>0</td></tr> <tr><td>1</td><td>0</td></tr> <tr><td>2</td><td>0</td></tr> </table>	x	y	-2	0	-1	0	0	0	1	0	2	0	F7 <table border="1" style="margin: auto; border-collapse: collapse;"> <tr><th>x</th><th>y</th></tr> <tr><td>2</td><td>1</td></tr> <tr><td>4</td><td>2</td></tr> <tr><td>6</td><td>3</td></tr> <tr><td>8</td><td>4</td></tr> <tr><td>10</td><td>5</td></tr> </table>	x	y	2	1	4	2	6	3	8	4	10	5	F8 <table border="1" style="margin: auto; border-collapse: collapse;"> <tr><th>x</th><th>y</th></tr> <tr><td>1</td><td>12</td></tr> <tr><td>2</td><td>15</td></tr> <tr><td>3</td><td>18</td></tr> <tr><td>4</td><td>21</td></tr> <tr><td>5</td><td>24</td></tr> </table>	x	y	1	12	2	15	3	18	4	21	5	24
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Find the Rate of Change of these Equations

F9 $y = 5x + 10$	F10 $y = -x + 10$	F11 $y = \frac{5}{2}x + 10$	F12 $y = \frac{-2}{3}x + 10$
F9     m = ____	F10     m = ____	F11     m = ____	F12     m = ____

Compare Functions: Use the "m" values you computed above to place "=", ">" or "<" sign to make the sentence true.

F1	F2	F3	F4	F5	F6	F7	F8	F9	F10
m = <u>    </u> ○	m =	m = <u>    </u> ○	m =	m = <u>    </u> ○	m =	m = <u>    </u> ○	m =	m = <u>    </u> ○	m =
F11	F12	F2	F6	F5	F10	F3	F6	F1	F12
m = <u>    </u> ○	m =	m = <u>    </u> ○	m =	m = <u>    </u> ○	m =	m = <u>    </u> ○	m =	m = <u>    </u> ○	m =

