

Chapter 4 Review

2. MC. $t = 2f$

f	t	
1	2	+2
2	4	+2
3	6	+2
4	8	+2
5	10	+2

(a)

10. $x + 8 = 0$
 $x = -8$

(c)

<p>#8. i) x y</p> <table style="border-collapse: collapse;"> <tr><td style="padding-right: 10px;">1</td><td style="padding-right: 10px;">3</td><td style="padding-right: 10px;">+3</td></tr> <tr><td style="padding-right: 10px;">2</td><td style="padding-right: 10px;">6</td><td style="padding-right: 10px;">+5</td></tr> <tr><td style="padding-right: 10px;">3</td><td style="padding-right: 10px;">11</td><td style="padding-right: 10px;">+7</td></tr> <tr><td style="padding-right: 10px;">4</td><td style="padding-right: 10px;">18</td><td style="padding-right: 10px;">+9</td></tr> <tr><td style="padding-right: 10px;">5</td><td style="padding-right: 10px;">27</td><td style="padding-right: 10px;">+9</td></tr> </table>	1	3	+3	2	6	+5	3	11	+7	4	18	+9	5	27	+9	<p>ii) x y</p> <table style="border-collapse: collapse;"> <tr><td style="padding-right: 10px;">1</td><td style="padding-right: 10px;">5</td><td style="padding-right: 10px;">+4</td></tr> <tr><td style="padding-right: 10px;">2</td><td style="padding-right: 10px;">9</td><td style="padding-right: 10px;">+4</td></tr> <tr><td style="padding-right: 10px;">3</td><td style="padding-right: 10px;">13</td><td style="padding-right: 10px;">+4</td></tr> <tr><td style="padding-right: 10px;">4</td><td style="padding-right: 10px;">17</td><td style="padding-right: 10px;">+4</td></tr> <tr><td style="padding-right: 10px;">5</td><td style="padding-right: 10px;">21</td><td style="padding-right: 10px;">+4</td></tr> </table>	1	5	+4	2	9	+4	3	13	+4	4	17	+4	5	21	+4	<p>iv) x y</p> <table style="border-collapse: collapse;"> <tr><td style="padding-right: 10px;">0</td><td style="padding-right: 10px;">14</td><td style="padding-right: 10px;">-1</td></tr> <tr><td style="padding-right: 10px;">1</td><td style="padding-right: 10px;">13</td><td style="padding-right: 10px;">-1</td></tr> <tr><td style="padding-right: 10px;">2</td><td style="padding-right: 10px;">12</td><td style="padding-right: 10px;">-1</td></tr> <tr><td style="padding-right: 10px;">3</td><td style="padding-right: 10px;">11</td><td style="padding-right: 10px;">-1</td></tr> <tr><td style="padding-right: 10px;">4</td><td style="padding-right: 10px;">10</td><td style="padding-right: 10px;">-1</td></tr> </table>	0	14	-1	1	13	-1	2	12	-1	3	11	-1	4	10	-1
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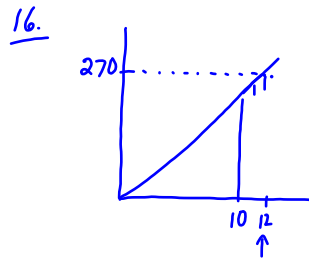
#9. $y = 12 - 5x$

P(1,7) $y = 12 - 5(1)$
 $= 12 - 5$
 $= 7$

Q(2,4) $y = 12 - 5(2)$
 $= 12 - 10$
 $= 2$

R(2,2) $y = 12 - 5(2)$
 $= 12 - 10$
 $= 2$

S(0,7) $y = 12 - 5(0)$
 $= 12 - 0$
 $= 12$

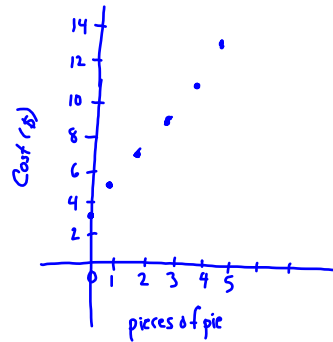


29.

a) $C = 3 + 2r$

b)

r	C
0	3
1	5
2	7
3	9
4	11
5	13

c) Do not join points because do not have $\frac{1}{3}$ of a pie or $\frac{1}{5}$ of pie, etc.

d)

$$\begin{aligned} C &= 3 + 2r \\ 17 &= 3 + 2r \\ 14 &= 2r \\ \frac{14}{2} &= \frac{2r}{2} \\ 7 &= r \end{aligned}$$

#21. Exponent = 1
 No letters in the denominator
 No \sqrt{x}

Yes

$$\begin{cases} y = 7x + 4 \\ y + 3x = 12 \end{cases}$$

Chapter 6 Review

$$1. \quad 9x - 15 = 3^{+15}$$

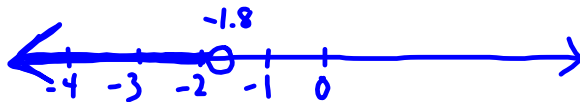
$$\frac{9x}{9} = \frac{18}{9}$$

$$x = 2$$

$$\#21. \quad 10.8 - 1.8b > 14.04$$

$$\frac{-1.8b}{-1.8} > \frac{3.24}{-1.8}$$

$$b < -1.8$$

Chapter 7

$$1. \quad S.F. = \frac{5}{0} \\ = \frac{8}{2} \\ = 4$$

$$2. \quad \begin{array}{|c|} \hline 4\text{cm} \\ \hline \end{array} \times 8 \\ 6\text{cm}$$

$$\begin{array}{|c|} \hline \\ \hline \end{array} \\ \underline{48\text{cm}}$$