

Unit 21.1

- |           |       |        |       |        |
|-----------|-------|--------|-------|--------|
| 1. b) yes | c) no | d) yes | e) no | f) yes |
| 2. a) B   | b) D  | c) A   | d) C  | 3. c   |
| 4. 30     | 5. no |        |       |        |
- 

Unit 21.2

- |          |       |       |       |        |           |
|----------|-------|-------|-------|--------|-----------|
| 1. a) 12 | b) 33 | c) 30 | d) 90 |        |           |
| 2. a) 27 | b) 4  | c) 85 | d) 81 | e) 228 | f) 25     |
|          | g) 13 | h) 55 | 3. 19 | 4. 11  | 5. d      |
| 7. no; 2 |       |       |       |        | 6. 20; 50 |
- 

Unit 21.3

- |          |          |         |       |                  |        |
|----------|----------|---------|-------|------------------|--------|
| 1. a) 12 | b) 105   | c) 540  | d) 9  |                  |        |
| 2. a) 8  | b) 280   | c) 148  | d) 14 | e) 7             | f) 162 |
|          | g) 5     | h) 0.67 | 3. 3  | 4. \$45 and \$30 |        |
| 5. b     | 6. 18; 9 | 7. yes  |       |                  |        |
- 

Unit 21.4

- |                   |               |             |            |            |      |
|-------------------|---------------|-------------|------------|------------|------|
| 1. a) $x \geq -1$ | b) $x \leq 3$ | c) $x > -4$ | d) $x < 5$ | e) $x > 4$ |      |
| 3. a) C           | b) A          | c) D        | d) B       | 4. c       | 5. d |
| 6. $x < 10,000$   |               |             |            |            |      |
- 

Unit 21.5

- |                         |                            |                           |
|-------------------------|----------------------------|---------------------------|
| 1. a) 6,8,10,15,30      | b) 7,4,2,1,0               | c) 0,5,10,25,50           |
| d) 1,2,4,5,20           | 2. a) $y = x + 2$ ; 10; 22 | b) $y = x - 1$ ; 5; 14    |
| c) $y = 7x$ ; 4; 70     | d) $y = x \div 3$ ; 21     |                           |
| 3. a                    | 4. c                       | 5. $k + 5 = 12$ ; $k = 7$ |
| 6. $y = 4x - 1$ ; 19; 9 |                            |                           |
- 

Unit 21.6

- |                                  |       |      |                      |
|----------------------------------|-------|------|----------------------|
| 1. a) 4                          | b) 14 | c) 3 | d) 25,37             |
| e) Michelle-17 yrs; Betty-12 yrs |       |      | f) boys=16; girls=32 |
| g) $30^0$ , $60^0$ , and $90^0$  |       |      |                      |
- 

Unit 21.7

- not
  - Mara
  - 15, 50
  - yes
  - 72, 12
  - d
  - 10; 20 and 70
  - $-2 < x \leq 5$
  - 45 and 15
  - b
-