**Mid year Exam Review Pack Answers**

1. **School 3**
2. **c**
3. a) 12:15
	1. 9 km
	2. 2h 15m
	3. 11am
	4. 18km
	5. 1/1
	6. 18% or 33%

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 |  |  |  |  |  |  |  |  |
| 0 |  | 1.18 |  | 5.9 | 7.08 | 10.62 | 14.75 | 17.7 |

4.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 50 |  | 3000 |  |  |  |
| 1 | 40 |  | 1000 | 1200 | n/50 |

5.

6. A(5,3)

B(-3,-5)

C(4,-2)

D(-5,-1)

E(-3,2)

F(0,4)

 7. a) 5 hours cost 33$

 b) 39$

 c) 6x + 3

 d) graph

8. a) no because of base rate

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Rental | 0 | 1 | 2 | 3 | 4 | n |
| $ | 5 | 8 | 11 | 14 | 17 | 3n +5 |

 b)

9. a) 3

 b) 5

 c) 8

 d) 10

 e) 1

 f) 7

 g) 2

 h) 6

 i) 4

 j) 9

10. a) 8x - 60

 b) 340$

 c) 500$

 d) 100$

11. a) 10x - 2

 b) a + 6

12. a) 21

 b) 24

13. a) 12a

 b) 48b²

 c) 18ab

 d) 28b²

e) 7d

f) 4bc

 g) 4b²

h) 6.25pq

i) 15x + 10y

j) 20a² -4z²

k) 27bc +12b

l) 56bz – 42y²

1. 27xy
2. 12ab
3. a = 6

 b = 12.63

1. No, over by $6250
2. 30 width by 42 height

19. a) 3:1, 5:1.5, 16:5, 15:1.5

 b) no

20. a) $4.27/kg

 b) $.42/stamp

 c) .5liter/child

 d) 25ml/liter

21. a) yes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 1 |  |  | 10 |
| 0 |  |  | 12.5 |  |

 b)

c) prop. coeff. 2.5

 d) $2.5/ h

 e) $562.50

22. 40 x 60

23. a) c

 b) d

 c) b

24. a) 1/20

 b) .05ml BLUE PER 1ml white

 c) 150/3000 = ? / 2000

25. Lynn 125 votes

 Jean 175 votes

26. yes, no, yes

 27.

|  |  |  |
| --- | --- | --- |
| Fraction | Decimal | Percent |
|  | .4 | 40% |
| 5/8 |  | 62.5% |
| 2/3 | .66666 |  |

28. Mary at 75%

29. a) 99 b) 22.5 c) 2.18

30. a) no

 b) $105.53

31. $179.99

32. $268.75

33. a) 31.23 b) 98.78 c) 863.97

34. 26.56 million

35. a) no b) $6750

36. 575 total

37. $750 for rent