

Mathematics 2w worksheet

1. d) Non terminating non-repeating.
2. d) always an irrational no.
3. a) $\frac{\sqrt{7} + 2}{3}$
4. c) $\frac{133}{990}$
5. a) $\frac{167}{90}$
6. b) 20°
7. b) 108°
8. b) 30°

9. b) 90°

10. a) $70^\circ, 45^\circ$

11. a) $48^\circ, 60^\circ, 72^\circ$

12. b) 180°

13. a) $BC = PB$

14. b) ASA

15. a) SAS.

16. d) an equilateral Δ

17. d) all the 3 altitudes are equal.

18. c) 50°

19. d) any number

20. d) II & IV quadrant

21. b) second quadrant

22. a) In the negative direction of x axis.

23. b) $(0, 4)$

24. d) y coordinate 5 or -5

25. b) 13 cm.

26. a) $\sqrt{32}$ cm

27. d) 4:3

28. e) 1344 cm^2

29. a) R\$ 2.16

30. c) $24\sqrt{5}$

31. a) $a \neq 0, b \neq 0$

32. c) infinitely many solutions

33. b) positive real nos.

34. a) 4

35. d) (0, 2)

36. b) $y = 0$

37. b) 20-30

38. a) 11-20

39. c) 5-8

40. d) row data

case study

41. i) $3x = 4$.

42. i) $(4, 1)$

43. iii) 25 .

44. iv) infinitely many solutions

45. iii) 2 .

46. b) 9 .

47. a) 180

48. c) 185.5

49. d) 28

50. d) 31