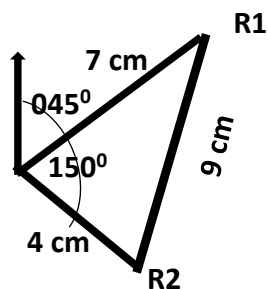


Answers

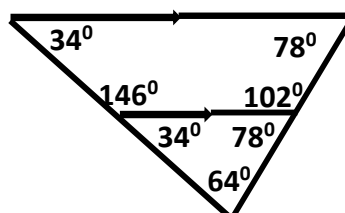
1. (a) 4 (b) 34 (c) 12 (d) 24
2. (a) £9 (b) £96 (c) £7
3. (a) £66 (b) 140 (c) 30
4. (a) $x + y + 7$ (b) $4g + 5h$
5. (a) $7y - 7$ (b) $10a + 20$ (c) $14 + 2x$
6. (a) $x = 22$ (b) $x = 2.6$ (c) $x = 22$
7. (a) -8 (b) -5 (c) 45 (d) -9
8. (a) $3(3x + 5)$ (b) $5(x - 2)$ (c) $6(2 + 3x)$
9. (a) 27 (b) 16 (c) 7 (d) 8
10. (a) 9.85 (b) 13.21 (c) 10650
11. (a) 1 (b) 14 (c) 25
12. (a) 1, 2, 4, 8 (b) 1, 2, 7, 14 (c) 1, 2, 3, 5, 6, 10, 15, 30 (d) 1, 3, 5, 9, 15, 45
13. (a) 5 (b) 9
14. (a) 21 (b) 105
15. (a) 75 cm^2 (b) 126 cm^2
16. (a) $\frac{3}{10}$ (b) $\frac{7}{10}$
17. (a) $\frac{5}{4}$ or $1\frac{1}{4}$ (b) $\frac{97}{15}$ or $6\frac{7}{15}$
18. (a) 23, 28, 33 (b) $C = 5D + 3$ (C) £53
19. (a) radius = 6 cm (b) $c = 37.68 \text{ cm}$ (c) $A = 113.04 \text{ cm}^2$
20. The length of the journey (Distance) = 63 km
21. Company A = £4905 Company B = £3630. Company A is the dearest.
22. (a) 480 euros (b) £1083.33
23. (a) $x = 4.66$ (b) $x = 14 \text{ cm}$
24. $x = 4.669\text{.....cm}$
25. (a)



(b) 9 cm

26. (a) The bearing from A to B IS 070° (B) The bearing from B to A is 250°
27. $U = 46^\circ$ AND $P = 55^\circ$

28



29. $V = l \times b \times h$

$V = 54000 \text{ cm}^3$

$V = 54 \text{ litres}$

30

