

Lista 1 – Trigonometria no Triângulo/Gabarito

1. a) $x = 4$ b) $\operatorname{sen} \alpha = \frac{4}{5}$

2. $h = (45 + 15\sqrt{3})m$

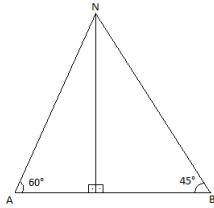
3. $\frac{3\sqrt{3}}{4}$

4. $h = 40m$

5. Letra a: $20\sqrt{3}cm$

6.

a)



b)

7. $29m$

8. $(3 + \sqrt{3})cm$

9. $2\sqrt{6}cm$

10. a) $\cos \beta = \frac{\sqrt{5}}{3}$ b) $\sec \beta = \frac{3\sqrt{5}}{5}$ c) $\operatorname{cosec} \beta = \frac{3}{2}$ d) $\operatorname{tg} \beta = \frac{2\sqrt{5}}{5}$ e) $\cot g \beta = \frac{\sqrt{5}}{2}$

11. $d = 6$

12. Letra a: $20\sqrt{3}cm$

13. $2p = 155$

14. Letra b: $-\frac{11}{24}$

15. $d = 4\sqrt{7}$ e $D = 4\sqrt{19}$

16. Letra c: 60°

17. $70m$

18. $a = \sqrt{2}$ e $b = 1$

19. 60°

20. $\sqrt{7}m$

21. Letra b: 60°

22. $\sqrt{2 - \sqrt{3}}cm$