

## Primary Trigonometry Ratio Application Practice SOLUTIONS

- 1)  $66.4^\circ$
- 2) 81.4 m
- 3) 104.3 m
- 4) 22.9 m
- 5) 46.5 m
- 6) 90.4 m
- 7) 74.9 m
- 8) Lina EITHER mixed up the opposite and adjacent sides OR incorrectly wrote the formula as
$$\tan \theta = \frac{adj}{opp}$$

Correct solution:

$$\tan \theta = \frac{opp}{adj}$$
$$\tan 15 = \frac{553.33}{d}$$
$$d = \frac{553.33}{\tan 15}$$
$$d = 2065 \text{ m}$$