Circle Theorems – Answers – Exercise C

Exercise C

1. $a = 18°$ 2. $53°$ 3. $77°$

4. $x = 40°$, $y = 65°$, $z = 25°$ 5. $c = 30°$, $e = 15°$

6. $f = 50°$, $g = 40°$ 7. $h = 70°$, $k = 40°$, $i = 40°$ 8. $m = 108°$, $n = 36°$

9. $x = 50°$, $y = 68°$ 10. $a = 74°$, $b = 32°$ 11. $e = 36°$

12. $k = 63°$, $m = 54°$ 13. $k = 50°$, $m = 50°$, $n = 80°$, $p = 80°$

14. (a) p (b) $2p$ (c) $90 - 2p$ 15. $x = 70°$, $y = 20°$, $z = 55°$