



Slopes of Tangents SOLUTIONS



1. $m = -5$
2. $m = -9$
3. $m = 43$
4. $4x - y - 5 = 0$
5. $x + y + 1 = 0$
6. (a) $x + y = 0$
(b) $6x + y - 8 = 0$
(c) $4x - y - 2 = 0$
7. $39x - y - 77 = 0$
8. $6x - y - 9 = 0$
9. $10x - y + 2 = 0$
10. $(1, 6)$
11. $(2, -18)$ and $(-1, 12)$
12. $(-2, -16)$ and $(4, 2)$
13. $a = 3$ and $b = 5$
14. $p = 2$ and $q = -3$
15. $a = 3$ and $b = 2$
16. (a) $a = 1, b = 0, c = -7, d = -6$
(b) $x = -2, x = -1, x = 3$
17. (a) $a = 1, b = 2, c = -11, d = -12$
(b) Fill in -4 for x
(c) $x = -1, x = 3$
18. $x > 3$





19. $x > -2$

20. $x < -2$ $x > 4$

21. $-1 < x < 1$

25. 60°

26. 45°

27. i. 15.1 metres
ii. 81.63 metres
iii. 45°

Leamy Maths Community

