

The Straight Line 1 (answers)

1. (a) $m = -\frac{1}{3}$ (b) $m = 4$
2. $a = -9$
3. $k = 2\frac{1}{2}$
4. (a) $y = 4x - 11$ (b) $x + 2y = 1$ (c) $3x + 2y = 2$
5. 149°
6. Proof
7. (a) $x + 2y = 1$ (b) $12y = 11x + 50$
8. (a) $y = -3x - 1$ and $6y = 2x + 4$
(b) $T(-\frac{1}{2}, \frac{1}{2})$
(c) Proof
9. $x + 2y = 19$

The Straight Line 2 (answers)

1. $3x + 4y + 11 = 0$
2. $a = -30$
3. $a = 2$
4. $R(5, 6)$, $y = x + 1$
5. Angle $ABC = 108.4^\circ$.
6. (a) $L_1 \Rightarrow y = -\frac{1}{3}x$; $L_2 \Rightarrow y = 2x + 7$ (b) $T(-3, 1)$
7. (a) $y = x + 2$ (b) $y + 2x = 11$ (c) $T(3, 5)$