1. Find the equation

![Graph of a line](image)

2. Find the equation of a line that passes through (4, -3) and (1, 3)

\[2x - 3y = 12\]

3. Sketch showing all intercepts

![Graph showing intercepts](image)

4. A line perpendicular to \( y = \frac{2}{5}x - 7 \) has a gradient of?

5. How many units is it from: \((-2, 5)\) to \((3, -7)\)? Answer to 2 dec places.

6. Write the equations for:

![Graph](image)

- A:
- B:

7. Is \((-3, -2)\) on the line \(y + 2x + 7 = 0\)?

8. What are the coordinates of the midpoint between \((-8, -5)\) & \((2, -1)\)

9. Find \(k\) if

- \(2y = 12 - 3x\)
- \(3y = 6 + kx\) are perpendicular