

Perpendicular lines

Exit ticket ANSWERS Name _____

- 1 Find the gradient of a line perpendicular to $y = 6x - 1$.

$$\underline{-\frac{1}{6}}$$

- 2 Find the equation of the line perpendicular to $y = -5x + 2$ that passes through (10, 1).

$$\underline{y = \frac{1}{5}x - 1}$$

- 3 Are $y = 3 - 2x$ and $y = \frac{1}{2}x + 4$ perpendicular?

Show how you know.

$$\underline{\text{Yes: } -2 \times \frac{1}{2} = -1}$$

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