CODE BREAKER

A	B	C	D	E	F	G	H	I	J	K	L	M
(3, 2)	(–2, 7)	(4, 14)	(0.5, 6)	(4, –0.5)	(7, 2)	(–1.5, 3)	(3.5, 1.5)	(–3, –2)	(3, 6)	(4, 2)	(5.5, 3)	(3, 8)

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
(7.5, 5)	(–5, 4)	(2, 7)	(5, 4)	(–7, –3)	(10, 17)	(3.5, 0)	(2, 3)	(6, 11)	(4.5, 4)	(5, –4)	(3, 5.5)	(4, 1)

Answer the questions below and link your answers to the table above. Rearrange the letters you get to reveal the name of a famous mathematician.

Find the midpoint of... (1, 9) and (3, 5)	Find the midpoint of... (0, 8) and (6, –4)	Find the midpoint of... (1, 8) and (5, 3)	Find the midpoint of... (1, 7) and (6, –7)	Find the midpoint of... (–8, 9) and (–2, –1)
Letter:	Letter:	Letter:	Letter:	Letter:
Find the midpoint of... (–5, 7) and (2, –1)	Find the midpoint of... (–2, –2) and (9, 5)	The midpoint of line *AB* is (6, 11). Point *A* has the coordinates (2, 5). Find the coordinates of Point *B*.	The midpoint of line *PQ* is (6, 9). Point *Q* has the coordinates (9, 16). Find the coordinates of Point *P*.	The midpoint of line *XY* is (–2, 3). Point *X* has the coordinates (3, 9) Find the coordinates of Point *Y*.
Letter:	Letter:	Letter:	Letter:	Letter:

A	B	C	D	E	F	G	H	I	J	K	L	M
(3, 2)	(–2, 7)	(4, 14)	(0.5, 6)	(4, –0.5)	(7, 2)	(–1.5, 3)	(3.5, 1.5)	(–3, –2)	(3, 6)	(4, 2)	(5.5, 3)	(3, 8)

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
(7.5, 5)	(–5, 4)	(2, 7)	(5, 4)	(–7, –3)	(10, 17)	(3.5, 0)	(2, 3)	(6, 11)	(4.5, 4)	(5, –4)	(3, 5.5)	(4, 1)

Answer the questions below and link your answers to the table above. Rearrange the letters you get to reveal the name of a famous mathematician.

Find the midpoint of... (1, 9) and (3, 5) Letter: **P**	Find the midpoint of... (0, 8) and (6, –4) Letter: **A**	Find the midpoint of... (1, 8) and (5, 3) Letter: **Y**	Find the midpoint of... (1, 7) and (6, –7) Letter: **T**	Find the midpoint of... (–8, 9) and (–2, –1) Letter: **O**
Find the midpoint of... (–5, 7) and (2, –1) Letter: **G**	Find the midpoint of... (–2, –2) and (9, 5) Letter: **H**	The midpoint of line *AB* is (6, 11). Point *A* has the coordinates (2, 5). Find the coordinates of Point *B*. Letter: **S**	The midpoint of line *PQ* is (6, 9). Point *Q* has the coordinates (9, 16). Find the coordinates of Point *P*. Letter: **A**	The midpoint of line *XY* is (–2, 3). Point *X* has the coordinates (3, 9) Find the coordinates of Point *Y*. Letter: **R**

ANSWER: PYTHAGORAS