

Correct. The values of this function range from  $-3$  to  $3$ , so the amplitude is  $3$ . This means  $a = \pm 3$ . Because the sine graph has been reflected over the  $x$ -axis,  $a$  must be negative. So  $a = -3$ . Two cycles are shown over the interval  $[0, 2\pi]$ . This implies that  $b = 2$ .