#03 SA Parabola

Total points 4/5

✓ The coordinates of the focus of the given parabola is 1/1

$x^2 = -9y$

$\left(0, \frac{9}{4}\right)$

Option 1

$\left(0, \frac{-9}{4}\right)$

Option 2 ✓

$\left(\frac{-9}{4}, 0\right)$

Option 3

$\left(\frac{9}{4}, 0\right)$

Option 4

✓ The equation of directrix of the given parabola is 1/1

$y^2 = -8x$

$x = -2$

Option 1

$y = -2$

Option 2

$y = 2$

Option 3

$x = 2$

Option 4 ✓

✓ The axis of the given parabola is 1/1

$x^2 = 16y$

$x = 0$

Option 1 ✓

$y = 0$

Option 2

$y = 4$

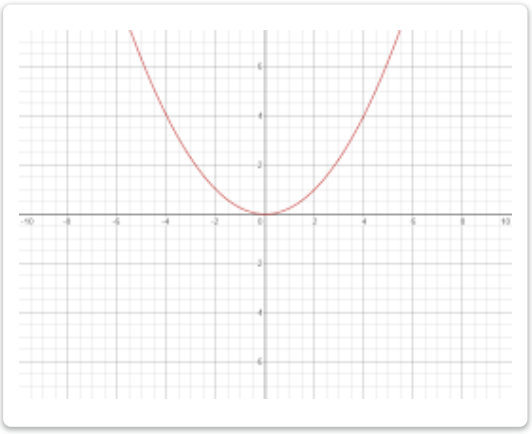
Option 3

$x = 4$

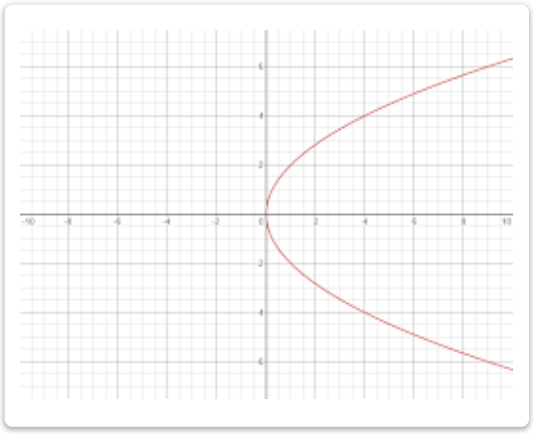
Option 4

✕ The sketch of the given parabola is 0/1

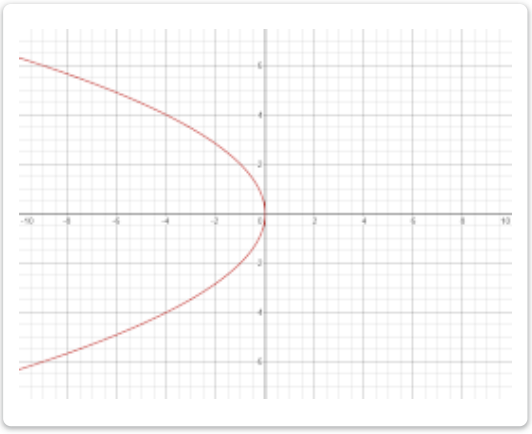
$x^2 = 4y$



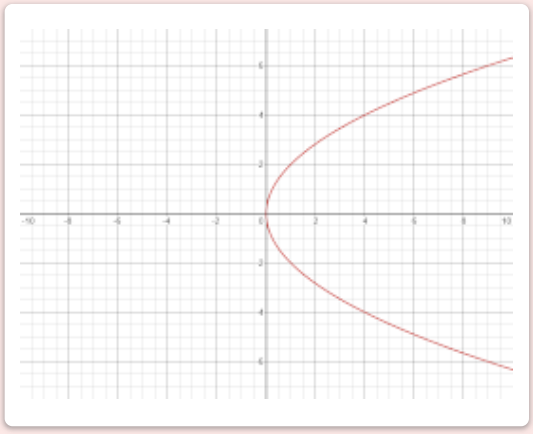
Option 1



Option 2



Option 3



Option 4 ✕

Correct answer

Option 1

✓ The length of the latus rectum of 1/1

$y^2 = 4x$

4 ✓

- 8
- 2
- 6

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