



## #07 SA: Hyperbola

Total points 5/5 ?

✓ Which of the following is the length of the transverse axis of \*

1/1

the hyperbola  $\frac{y^2}{9} - \frac{x^2}{16} = 1$

8

9

10



✓ Which of the following is the eccentricity of the hyperbola\*

2/2

$$2x^2 - 3y^2 = 12$$

$$\frac{\sqrt{5}}{\sqrt{3}}$$

Option 1



$$\frac{\sqrt{5}}{\sqrt{2}}$$

Option 2

$$\frac{\sqrt{13}}{3}$$

Option 3

$$\frac{\sqrt{13}}{2}$$

Option 4



✓ Which of the following are the coordinates of the foci of the hyperbola \*

2/2

$$4x^2 - 9y^2 = 36?$$

$$\left( \pm \frac{3\sqrt{13}}{2}, 0 \right)$$

Option 1

$$\left( \pm \sqrt{13}, 0 \right)$$

Option 2



$$\left( \pm \frac{3\sqrt{5}}{\sqrt{3}}, 0 \right)$$

Option 3

$$\left( \pm \frac{3\sqrt{5}}{\sqrt{2}}, 0 \right)$$

Option 4

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