

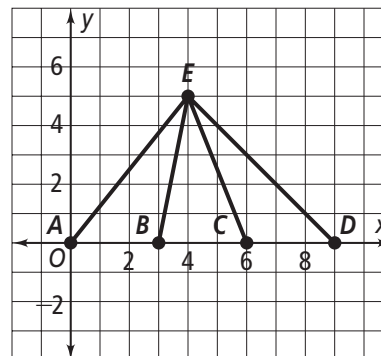
7-1 Standardized Test Prep

Ratios and Proportions

Gridded Response

Solve each exercise and enter your answer on the grid provided.

Use the graph at the right for Exercises 1 and 2.



1. What is $\frac{AD}{AB}$ in simplest form?

2. What is $\frac{\text{slope of } \overline{BE}}{\text{slope of } \overline{AE}}$ in simplest form?

3. What is the value of x in the proportion $\frac{(x - 1)}{5} = \frac{(4x + 2)}{35}$?

4. What is the value of x in the proportion $\frac{x + 1}{x + 3} = \frac{15}{21}$?

5. The lengths of the sides of a triangle are in the extended ratio 3 : 10 : 12. The perimeter is 400 cm. What is the length of the longest side in centimeters?

Answers

1.	2.	3.	4.	5.