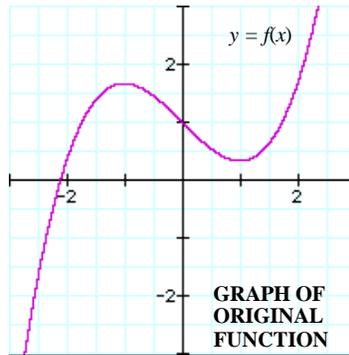
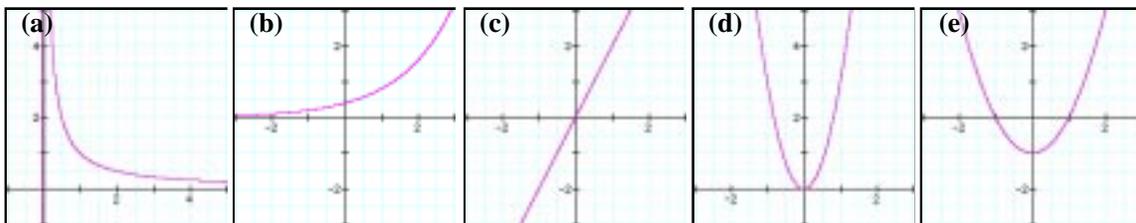


Problems for Gateway #2: Sketching the Graph of the Derivative

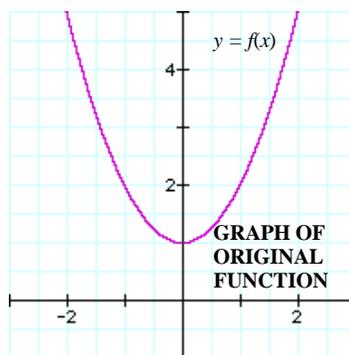
1. The graph shown below is a graph of the **ORIGINAL FUNCTION** $y = f(x)$.



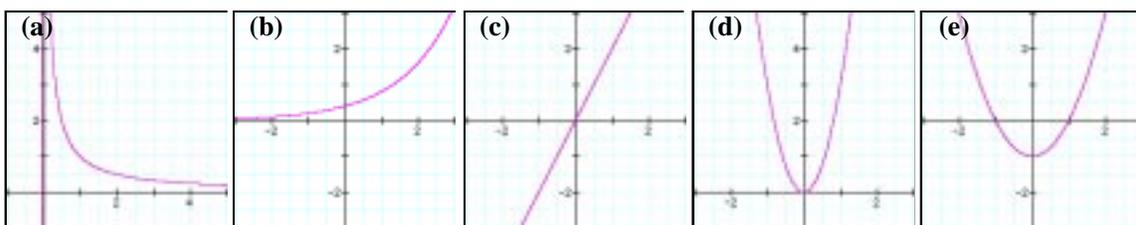
Which of the following could be the **DERIVATIVE** $y = f'(x)$?



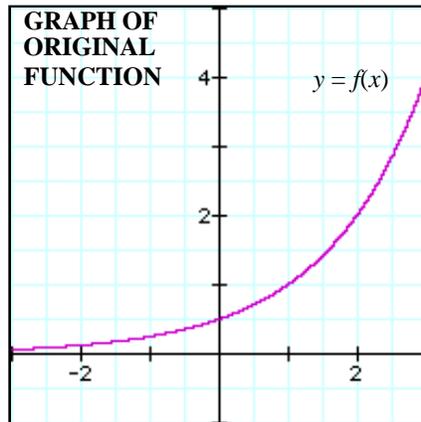
2. The graph shown below is a graph of the **ORIGINAL FUNCTION** $y = f(x)$.



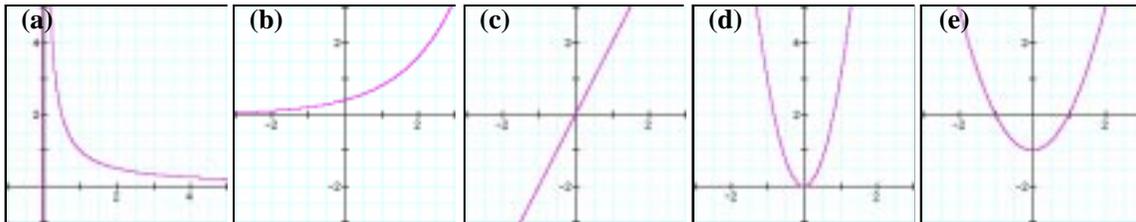
Which of the following could be the **DERIVATIVE** $y = f'(x)$?



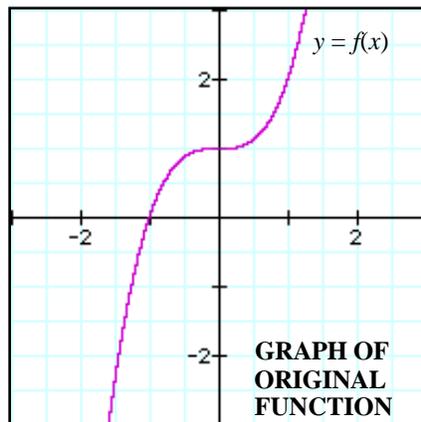
3. The graph shown below is a graph of the **ORIGINAL FUNCTION** $y = f(x)$.



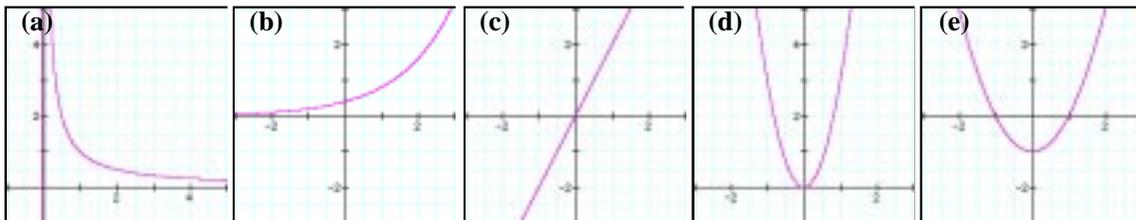
Which of the following could be the **DERIVATIVE** $y = f'(x)$?



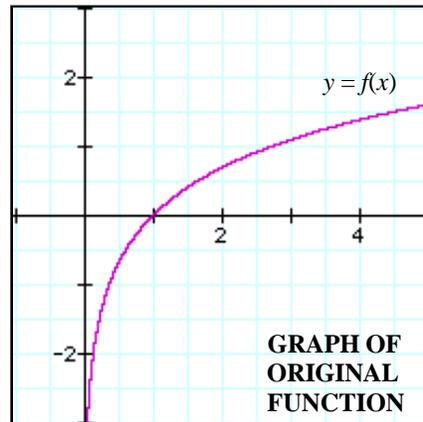
4. The graph shown below is a graph of the **ORIGINAL FUNCTION** $y = f(x)$.



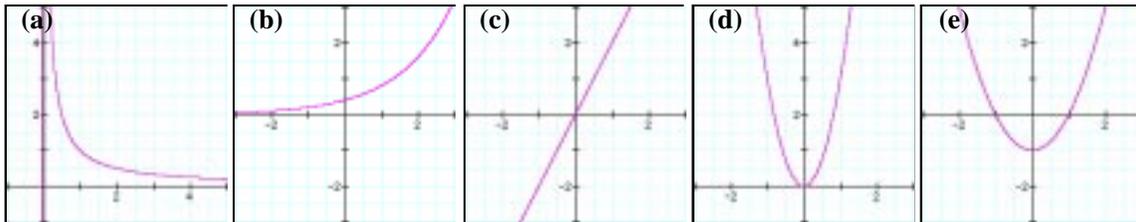
Which of the following could be the **DERIVATIVE** $y = f'(x)$?



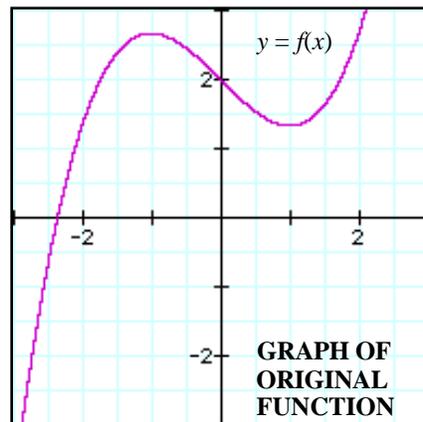
5. The graph shown below is a graph of the **ORIGINAL FUNCTION** $y = f(x)$.



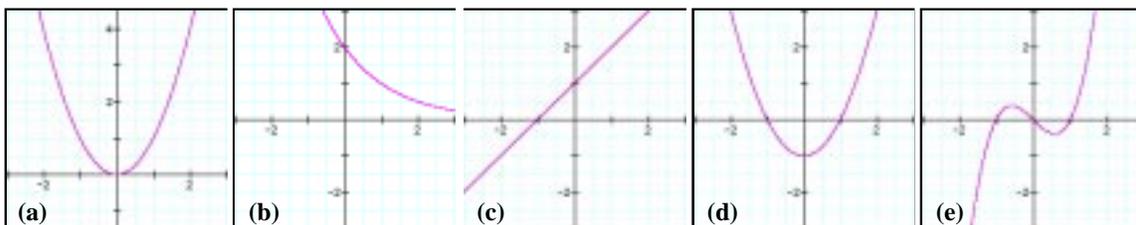
Which of the following could be the **DERIVATIVE** $y = f'(x)$?



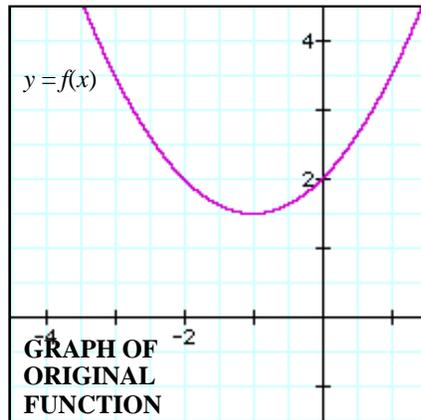
6. The graph shown below is a graph of the **ORIGINAL FUNCTION** $y = f(x)$.



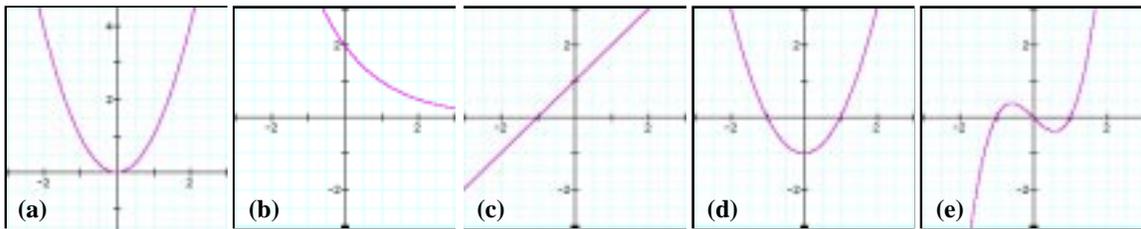
Which of the following could be a graph of the **DERIVATIVE** $y = f'(x)$?



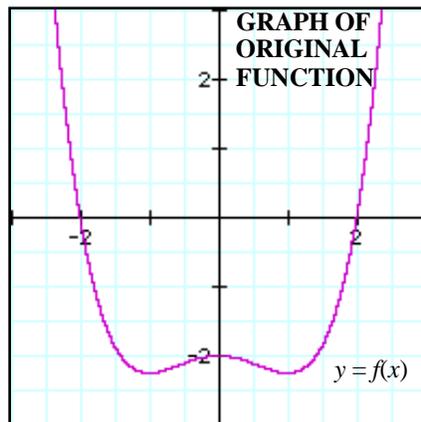
7. The graph shown below is a graph of the **ORIGINAL FUNCTION** $y = f(x)$.



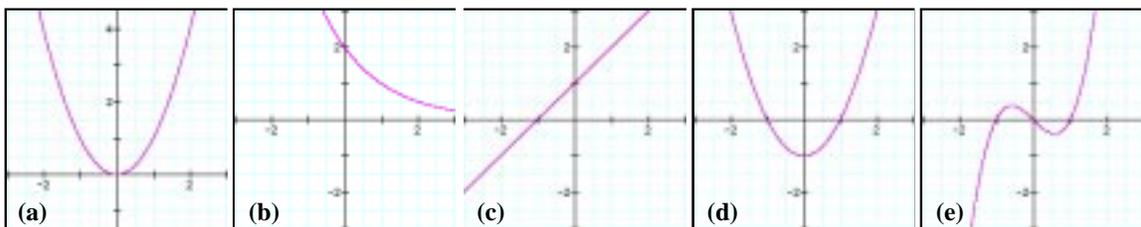
Which of the following could be a graph of the **DERIVATIVE** $y = f'(x)$?



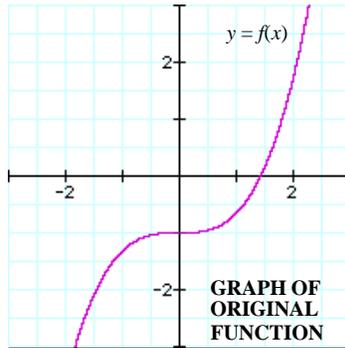
8. The graph shown below is a graph of the **ORIGINAL FUNCTION** $y = f(x)$.



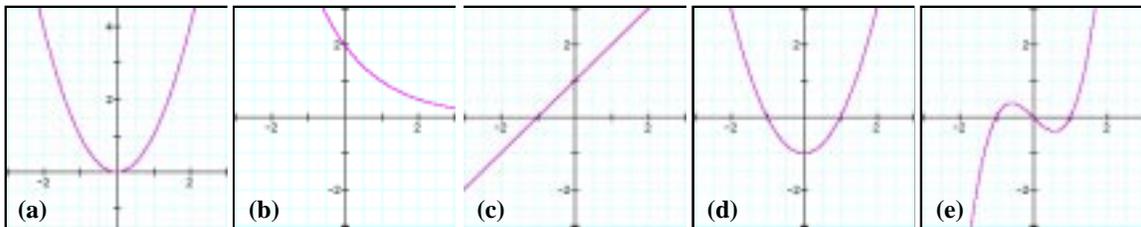
Which of the following could be a graph of the **DERIVATIVE** $y = f'(x)$?



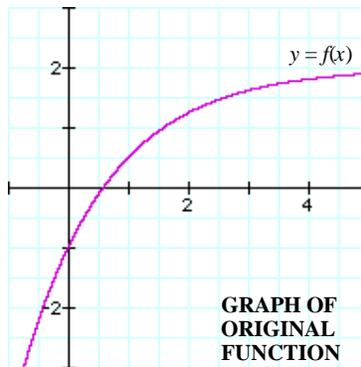
9. The graph shown below is a graph of the **ORIGINAL FUNCTION** $y = f(x)$.



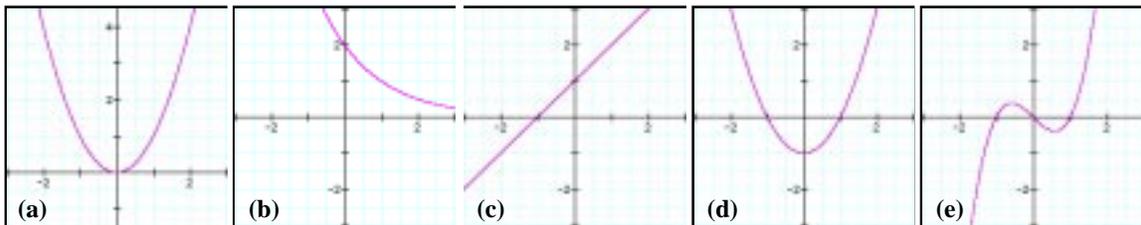
Which of the following could be a graph of the **DERIVATIVE** $y = f'(x)$?



10. The graph shown below is a graph of the **ORIGINAL FUNCTION** $y = f(x)$.



Which of the following could be a graph of the **DERIVATIVE** $y = f'(x)$?



ANSWERS:

- | | | | | | | | |
|----|---|-----|---|----|---|----|---|
| 1. | E | 2. | C | 3. | B | 4. | D |
| 5. | A | 6. | D | 7. | C | 8. | E |
| 9. | A | 10. | B | | | | |