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| Write an equation using the roots that could model the graph below. | Write an equation using the roots that could model the graph below. |
| Find the discriminant for the equation below. Then, state how many and what type of solutions the equation will have. | Find the discriminant for the equation below. Then, state how many and what type of solutions the equation will have. |
| Will the graph pictured have a positive, negative, or zero discriminant? Explain your answer. | Will the graph pictured have a positive, negative, or zero discriminant? Explain your answer. |
| An equation has one real solution. Will the discriminant of the equation be positive, negative, or zero? Explain your answer. | An equation has solutions at 3 and 7. Will the discriminant of the equation be positive, negative, or zero? Explain your answer. |