

Kim and Sean are playing a mathematics card game for extra credit. Each card in the game has an expression written on it. Kim's first card is shown below.

$$\frac{3 + 2}{6 - 1}$$

- a. What is the value of the expression on Kim's first card? Show or explain how you got your answer.

Sean's first card is shown below.

$$-6 - |3 - (-8)|$$

- b. What is the value of the expression on Sean's first card? Show or explain how you got your answer.

For Kim to earn extra credit from the game, she must select a second card that has an expression with a value that is exactly twice the value of the expression on her first card.

- c. Which of the following cards shows an expression with a value that is exactly twice the value of the expression on Kim's card? Show or explain how you got your answer.

$$|-5 - (-3)|$$

$$|-5 - 3|$$

Sean's second card is shown below.

$$-10 + 10 - 20$$

For Sean to earn extra credit from the game, he **must** insert one set of absolute value bars in the expression so that the value of the expression is a negative integer.

- d. If Sean inserts the set of absolute value bars correctly, what is one possible value of the expression on Sean's second card? Show or explain how you got your answer.