

1. Write each inequality using interval notation.

(a) $\{x \mid 1 < x \leq 6\}$

(b) $\{x \mid x \geq -3\}$

2. Add the expression

$$\frac{11}{15} + \left(-\frac{3}{5}\right) =$$

3. Evaluate the expression.

(a) $20 - 4^2 =$

(b) $20 + (-4)^2 =$

4. Simplify the expression (completely).

$$\frac{2 \cdot 5 - 3^2}{[3^2 - (-2)^2]^2}$$