1. Choose the **smallest** set of Real numbers that the number below belongs to.



A. Rational

- B. Whole
- C. Irrational
- D. Not a Real number
- E. Integer
- 2. Simplify the expression below and choose the interval the simplification is contained within.

 $13 - 20 \div 17 * 11 - (16 * 3)$

- A. [-48.13, -47.85]
- B. [-35.26, -35.07]
- C. [60.68, 60.9]
- D. [-47.84, -47.76]
- E. [29.82, 30.01]
- 3. Choose the **smallest** set of Complex numbers that the number below belongs to.

$$\frac{\sqrt{65}}{20} + 6i^2$$

- A. Rational
- B. Irrational
- C. Pure Imaginary
- D. Nonreal Complex
- E. Not a Complex Number

4. Simplify the expression below into the form a + bi. Then, choose the intervals that a and b belong to.



5. Simplify the expression below into the form a + bi. Then, choose the intervals that a and b belong to.

