Name: _____

1. Faith wants to use the formula $C(f) = \frac{5}{9}(f - 32)$ to convert degrees Fahrenheit, f, to degrees Celsius, $C(f)$. If Faith calculated $C(68)$, what would her result be?
   1. 20° Celsius   2. 20° Fahrenheit
   3. 154° Celsius   4. 154° Fahrenheit

2. Carla bought a dress at a sale for 20% off the original price. The sale price of the dress was $28.80. Find the original price of the dress, in dollars.
   1. $23.04   2. $5.76
   3. $34.65   4. $36

3. Rashawn bought a CD that cost $18.99 and paid $20.51, including sales tax. What was the rate of the sales tax?
   1. 5%   2. 2%
   3. 3%   4. 8%

4. If 25% of a number is 12, find the number.
   1. 24   2. 48
   3. 3   4. 4

5. Yesterday, the temperature was 80°F. Today, the high temperature was 75°F. What was the percent of change in the temperature?
   1. 5%   2. 6.25%
   3. 37.5%   4. 93.75%

6. What is the product of $4 + 3i$ and $4 - 3i$?
   1. 25   2. 16
   3. 7   4. 5

7. The expression $(3 - 7i)^2$ is equivalent to:
   1. $-40 + 0i$
   2. $-40 - 42i$
   3. $58 + 0i$
   4. $58 - 42i$