

## QUIZ 1

Name \_\_\_\_\_

1. Find the equation of the line which are parallel to the line with equation  $5y + 4x = 10$  and which passes through the point  $(1, 5)$ .
2. The half-life of radium-226 is 1620 years. Write a formula for the quantity,  $Q$ , of radium left after  $t$  years, if the initial quantity is  $Q_0$ .
3. Solve  $7^{x+2} = e^{17x}$  for  $x$ .